



Reid-Hillview and San Martin Airports, Santa Clara County

Aerially Deposited Lead Investigation Report

Final

June 2022

Santa Clara County Roads and Airports Department



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Acronyms and Abbreviations

EI6	San Martin Airport
ADL	aerially deposited lead
bgs	below ground surface
CoC	chain of custody
CA	California
ESL	Environmental Screening Levels
LCS	laboratory control sample
LCSD	laboratory control sample duplicates
MS	matrix spike
MSD	matrix spike duplicates
mg/kg	milligram(s) per kilogram
RHV	Reid-Hillview Airport
RSL	Regional Screening Levels
SCCRA	Santa Clara County Roads and Airports Department
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SM	San Martin Airport
STLC	soluble threshold limit concentration
TCLP	toxicity characteristic leaching procedure
TTLIC	Total Threshold Limit Concentration
USA	Underground Service Alert
USEPA	U.S. Environmental Protection Agency
WET	waste extraction test

1. Executive Summary

Santa Clara County retained Jacobs Engineering Group (Jacobs) to conduct soil investigations at the Reid-Hillview Airport (RHV) and San Martin Airport (SM) in Santa Clara County, California. Aerially-deposited lead (ADL) may result from the exhaust fumes of piston-engine airplanes using leaded aviation gas when the lead particles settle out of the air and adhere to soil particles. Since lead deposited on concrete, asphalt, or roof surfaces would tend to be washed away by rain, primary areas of concern for the purposes of this evaluation are unpaved areas. The Santa Clara County Roads and Airports Department (SCCRA) commissioned these investigations to identify and quantify the presence of lead onsite and compare existing lead levels detected in soil samples to current published environmental screening values as an initial screening step to identify whether further investigation may be necessary.

Surface soil investigations were conducted between December 28, 2021 and January 18, 2022 to identify presence of lead at each airport. Samples were collected at a total of 32 locations at RHV and 35 locations at SM. Sample locations were determined by laying out an approximately 400-foot x 400-foot grid in unpaved areas at each airport to provide a broad and unbiased assessment of lead in surface soils. Soil samples were collected from 0 to 6 inches and 12 to 18 inches below ground surface (bgs) at each location. Soil samples were submitted to Torrent Labs in Milpitas, California, under chain-of-custody (CoC) documentation. All samples were analyzed for total lead using U.S. Environmental Protection Agency (USEPA) method 6010B.

Generally, at sites where contaminant concentrations are below soil screening levels, no further action or study is warranted under the Comprehensive Environmental Response, Compensation, and Liability Act.

Results of this study determined that total lead was not detected above San Francisco Bay Regional Water Quality Board (SFBRWQCB) Environmental Screening Levels (ESLs), USEPA Regional Screening Levels (RSLs), or California Total Threshold Level Concentration (TTL) trigger values in any of the soil samples collected during investigations at either airport. Assessment of the analytical data concluded that a sufficient number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process.

2. Introduction

Jacobs has prepared this Soil Investigation Report (report) for the SCCRA to summarize the field activities and findings of the sitewide screening-level comparison of lead in surface soil samples collected at the Reid-Hillview and San Martin airports in Santa Clara County, California (Figure 1; tables and figures are presented at the end of this report). This work was performed on behalf of the SCCRA and in accordance with the approved *Aerially Deposited Lead Investigation Work Plan* (Jacobs, 2021a).

ADL may result from piston-engine airplanes using leaded aviation gas. ADL settles out of the air and typically adheres to soil particles. Lead deposited on concrete, asphalt, or roof surfaces would tend to be washed away by rain and thereby transported offsite, and is not likely to persist within the area of original settlement; therefore primary areas of concern for the purposes of this evaluation are unpaved areas. The objectives of investigations included in this report are to:

1. Analyze soil samples collected on the RHV and SM properties for the presence of lead.
2. Compare lead levels detected in soil samples to current published environmental screening values as an initial screening step to identify whether further investigation may be necessary.

3. Description of Work

Between December 28, 2021 and January 18, 2022, Jacobs conducted surface soil investigation and related activities to identify lead occurrence at RHV and SM (Figure 1). A total of 32 locations were sampled at RHV (Figure 2) and 35 locations were sampled at SM (Figure 3).

4. Pre-Fieldwork Activities

The field activities described in this report were completed in accordance with the project-specific Work Plan and Health, Safety, and Environment Plan (Jacobs, 2021a, 2021b) that were prepared and approved by SCCRA prior to field mobilization. Our field task leader and site safety liaison were on-site to identify policies and enforce procedures and systems to be followed by project personnel. In addition, staff was always accompanied by an SCCRA escort while conducting fieldwork within airport properties.

Jacobs conducted the surface soil investigation and related activities from December 28, 2021 to January 18, 2022. On December 28th and 29th, Jacobs conducted initial site visits for RHV and SM with SCCRA escorts to mark the proposed soil sample locations, mark each sampling site for the Underground Service Alert (USA) clearance activities, and oversee third-party utility location surveys. Subtronic Corporation of Martinez, CA performed the utility location survey of each sample location at both airports using electromagnetic methods. Subtronic surveyed a 15- by 15-foot area around each proposed sample location and marked any utilities identified. Proposed soil sample locations were relocated as needed to avoid underground utilities identified by Subtronic and other surface features (i.e., asphalt, runways). USA was notified of the proposed work on January 3, 2022 (ticket numbers X200302893 for RHV and X200302977 for SM).

5. Sampling Methods

Surface soil sampling was conducted at RHV on January 10, January 11, and January 14, 2022. SM surface soil sampling was conducted on January 12, January 13, January 17, and January 18, 2022. A total of 32 locations were sampled at RHV and 35 locations were sampled at SM. Sample locations at RHV and SM are shown in Figures 2 and 3, respectively. Samples were collected from 0 to 6 inches and 12 to 18 inches bgs at each location.

Sample location coordinates, photographs, and field notes were documented during sample collection. Refer to Appendixes A and B for field notes and representative photographs, respectively. Samples were collected by using a hand auger, rotary auger, and other hand digging tools to excavate each boring to the sample interval depth and transferring soils from the auger bucket to laboratory-supplied 8-ounce glass jars. During sample collection, moisture content in soils were observed and noted; soils at both airports were dry with exception of a few slightly moist samples collected early in the mornings from the 0 to 6-inch bgs interval. Jars were labelled, placed in a cooler with ice and delivered daily to Torrent Labs in Milpitas, CA under CoC documentation. Soil samples were analyzed for total lead using USEPA method 6010B.

To avoid cross-contamination, non-dedicated sampling equipment (i.e., auger bucket or roto auger drill) was decontaminated between sample depths and sample locations by brushing off soil, washing with Liquinox® detergent and water solution, and double-rinsing with distilled water.

Investigation-derived waste was not generated as part of the sampling program. Excess soil was replaced in the borehole and decontamination water was allowed to infiltrate into the unpaved areas.

6. Deviations from Approved Work Plan

All work was conducted in accordance with the approved work plan, except for the minor deviations listed below:

- Sample locations RHV-01 and RHV-02 were relocated due to underground gas or electrical lines.
- Sample locations RHV-06, RHV-10, RHV-14, RHV-20, RHV-25, RHV-30, and RHV-32 were relocated due to unfavorable surface conditions or access issues associated with airport operations (runway, ground lights, solar panels, or fencing).
- Sample locations E16-05, E16-06, E16-14, E16-20, and E16-25 were relocated due to unfavorable surface conditions.
- Sample location E16-10 was relocated due to underground utilities and E16-30 and E16-35 were relocated due to access issues associated with airport operations.
- Due to unfavorable surface conditions and incomplete utility clearance, sample location E16-19 was not sampled. Field staff communicated with project management to confirm that eliminating this point did not negatively impact the sampling grid's representativeness.

Figures 2 and 3 show all sample locations at Reid-Hillview and San Martin airports, respectively, and identifies which sites were relocated or not sampled.

7. Summary of Results

Soil samples were submitted to Torrent Labs in Milpitas, California, under CoC documentation. All samples were analyzed for total lead by USEPA Method 6010B. The data were assessed to confirm that they are suitable for use. The assessment of data consisted of review of:

- The CoC documentation
- Holding-time compliance
- The required laboratory quality control (QC) samples
- Method blanks
- Laboratory control sample/laboratory control sample duplicates (LCS/LCSDs)
- Matrix spike/matrix spike duplicates (MS/MSDs)

Data review was performed on 64 normal environmental samples from 32 locations (Figure 2) and four MS/MSD sets at RHV, as well as 70 normal environmental samples from 35 locations (Figure 3) and four MS/MSD sets at SM. The conclusions of the data validation are as follows:

- No data were rejected, and completeness was 100 percent.
- No data were qualified due to low-level blank contamination.
- The precision and accuracy of the data, as measured by laboratory QC indicators, demonstrate that the project data quality objectives were met.

Torrent laboratory reports and CoCs are presented in Appendix C. An overall evaluation of the data indicates that the sample handling, shipment, and analytical procedures have been adequately completed, and that the analytical results are considered usable. Details on the data assessment are presented in the Data Quality Assessment reports for each airport included as Appendix D.

Tables 1 and 2 present the surface soil analytical data for lead at the Reid-Hillview and San Martin airports, respectively, compared to SFBRWQCB ESLs for commercial/industrial and residential use and the USEPA RSLs. The ESLs provide conservative screening levels for chemicals commonly found at sites with contaminated soil and groundwater. They are intended to help expedite the identification and evaluation of potential environmental concerns at contaminated sites (https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html). SFBRWQCB guidance is to compare ESLs with analytical results reported on a dry-weight basis. Since lead results in Tables 1 and 2 were reported on a wet-weight basis, for comparison to the ESLs, they have been adjusted for an assumed maximum percent moisture value of 10 percent based on the field observations that characterized the soils as mostly dry to slightly moist (see Appendix A for field notes).

The RSLs are developed by USEPA for the Superfund Program to help standardize and accelerate the evaluation and cleanup of contaminated soils at sites on the National Priorities List with future residential land use. RSLs are not clean-up standards, and do not trigger the need for response actions or define “unacceptable” levels of contaminants in soil. Generally, at sites where contaminant concentrations fall below soil screening levels, no further action or study is warranted under the Comprehensive Environmental Response, Compensation, and Liability Act. RSLs are also compared to analytical results reported on a dry-weight basis.

Tables 3 and 4 present the surface soil analytical data for lead at the Reid-Hillview and San Martin airports, respectively, compared to California TTLCs for waste classification purposes, in case future development or use of the sites requires excavation of waste soil that may need to be disposed of. In California, a waste may be identified as hazardous if toxic constituents are harmful or fatal when ingested or if the toxic constituents may leach from the soil and pollute the groundwater when the wastes are disposed of. USEPA has defined a test to determine if toxins are likely to leach from wastes called the toxicity characteristic leaching procedure (TCLP). California has developed their own test called the waste extraction test (WET) that yields the soluble threshold limit concentrations (STLCs) for the same purpose. The TTLC is a screening value that indicates whether a waste is likely to require further testing using one of these procedures (<https://dtsc.ca.gov/defining-hazardous-waste/>). For lead, if the total concentration of lead in soil is greater than 50 milligrams per kilogram (mg/kg), it triggers the need for a WET to test for leaching potential; if the total concentration is above 100 mg/kg, it triggers the need to conduct a TCLP. For comparison to the TTLC for waste characterization, lead results must be reported on a wet weight basis.

Reid-Hillview Airport

There were no lead results from the RHV soil samples that exceeded the SFBRWQCB ESLs for commercial/industrial or residential use, the USEPA RSLs for residential or industrial soil, or the TTLC for waste characterization as presented in Tables 1 and 3.

San Martin Airport

There were no lead results from the SM airport soil samples that exceeded the SFBRWQCB ESLs for commercial/industrial or residential use, the USEPA RSLs for residential or industrial use, or the TTLC for waste characterization as presented in Tables 2 and 4.

8. Conclusions and Limitations

Total lead was not detected above ESLs, RSLs, or TTLC trigger values in any of the soil samples collected during investigations at either airport. Assessment of the analytical data concluded that a sufficient

number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process.

In preparing this report, Jacobs relied, in whole or in part, on data provided by Torrent Labs. Jacobs assumes this data to be accurate, complete, and reliable. Therefore, while Jacobs has used its best efforts in preparing this report, Jacobs does not warrant or guarantee the conclusions set forth in this report that are dependent or based on data supplied by third parties.

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9. References

Jacobs Engineering Group Inc. (Jacobs). 2021a. *Final Aerially Deposited Lead (ADL) Investigation Work Plan, Reid-Hillview and San Martin Airports, Santa Clara County, California*. December 27.

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Tables

Table 1. Reid-Hillview Surface Soil Analytical Data Compared to Environmental Screening Levels
Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Wet Weight Exceeds CA Residential Soil ESL of 82 mg/kg ¹	Wet Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Wet Weight Exceeds USEPA Residential Soil RSL of 400 mg/kg ³	Wet Weight Exceeds USEPA Industrial Soil RSL of 800 mg/kg ⁴	Lead (mg/kg assumed 90% dry weight)	Assumed Dry Weight Exceeds CA Residential Soil ESL of 82 mg/kg ¹	Assumed Dry Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Assumed Dry Weight Exceeds USEPA Residential Soil RSL of 400	Assumed Dry Weight Exceeds USEPA Industrial Soil RSL of 800
RHV-01	RHV01-6-220114	0-6	01/14/22	8.30	N	N	N	N	9.22	N	N	N	N
	RHV01-18-220114	12-18	01/14/22	8.20	N	N	N	N	9.11	N	N	N	N
RHV-02	RHV02-6-220114	0-6	01/14/22	16.5	N	N	N	N	18.3	N	N	N	N
	RHV02-18-220114	12-18	01/14/22	8.65	N	N	N	N	9.61	N	N	N	N
RHV-03	RHV03-6-220114	0-6	01/14/22	22.2	N	N	N	N	24.7	N	N	N	N
	RHV03-18-220114	12-18	01/14/22	42.0	N	N	N	N	46.7	N	N	N	N
RHV-04	RHV04-6-220114	0-6	01/14/22	7.00	N	N	N	N	7.78	N	N	N	N
	RHV04-18-220114	12-18	01/14/22	14.9	N	N	N	N	16.6	N	N	N	N
RHV-05	RHV05-6-220114	0-6	01/14/22	7.65	N	N	N	N	8.50	N	N	N	N
	RHV05-18-220114	12-18	01/14/22	6.30	N	N	N	N	7.00	N	N	N	N
RHV-06	RHV06-6-220114	0-6	01/14/22	5.30	N	N	N	N	5.89	N	N	N	N
	RHV06-18-220114	12-18	01/14/22	23.9	N	N	N	N	26.6	N	N	N	N
RHV-07	RHV07-6-220114	0-6	01/14/22	11.4	N	N	N	N	12.7	N	N	N	N
	RHV07-18-220114	12-18	01/14/22	8.80	N	N	N	N	9.78	N	N	N	N
RHV-08	RHV08-6-220114	0-6	01/14/22	7.75	N	N	N	N	8.61	N	N	N	N
	RHV08-18-220114	12-18	01/14/22	9.40	N	N	N	N	10.4	N	N	N	N
RHV-09	RHV9-6-220110	0-6	01/10/22	15.3	N	N	N	N	17.0	N	N	N	N
	RHV9-18-220110	12-18	01/10/22	22.5	N	N	N	N	25.0	N	N	N	N
RHV-10	RHV10-6-220110	0-6	01/10/22	12.7	N	N	N	N	14.1	N	N	N	N
	RHV10-18-220110	12-18	01/10/22	10.5	N	N	N	N	11.7	N	N	N	N
RHV-11	RHV11-6-220110	0-6	01/10/22	9.60	N	N	N	N	10.7	N	N	N	N
	RHV11-18-220110	12-18	01/10/22	8.85	N	N	N	N	9.83	N	N	N	N
RHV-12	RHV12-6-220110	0-6	01/10/22	6.80	N	N	N	N	7.56	N	N	N	N
	RHV12-18-220110	12-18	01/10/22	8.65	N	N	N	N	9.61	N	N	N	N
RHV-13	RHV13-6-220110	0-6	01/10/22	8.65	N	N	N	N	9.61	N	N	N	N
	RHV13-18-220110	12-18	01/10/22	6.15	N	N	N	N	6.83	N	N	N	N
RHV-14	RHV14-6-220111	0-6	01/11/22	16.0	N	N	N	N	17.8	N	N	N	N
	RHV14-18-220111	12-18	01/11/22	10.4	N	N	N	N	11.6	N	N	N	N
RHV-15	RHV15-6-220110	0-6	01/10/22	38.2	N	N	N	N	42.4	N	N	N	N
	RHV15-18-220110	12-18	01/10/22	37.3	N	N	N	N	41.4	N	N	N	N
RHV-16	RHV16-6-220110	0-6	01/10/22	11.5	N	N	N	N	12.8	N	N	N	N
	RHV16-18-220110	12-18	01/10/22	12.6	N	N	N	N	14.0	N	N	N	N
RHV-17	RHV17-6-220111	0-6	01/11/22	16.5	N	N	N	N	18.3	N	N	N	N
	RHV17-18-220111	12-18	01/11/22	9.95	N	N	N	N	11.1	N	N	N	N
RHV-18	RHV18-6-220111	0-6	01/11/22	6.05	N	N	N	N	6.72	N	N	N	N
	RHV18-18-220111	12-18	01/11/22	18.3	N	N	N	N	20.3	N	N	N	N
RHV-19	RHV19-6-220111	0-6	01/11/22	8.15	N	N	N	N	9.06	N	N	N	N
	RHV19-18-220111	12-18	01/11/22	7.45	N	N	N	N	8.28	N	N	N	N
RHV-20	RHV20-6-220111	0-6	01/11/22	15.5	N	N	N	N	17.2	N	N	N	N
	RHV20-18-220111	12-18	01/11/22	14.3	N	N	N	N	15.9	N	N	N	N
RHV-21	RHV21-6-220114	0-6	01/14/22	8.10	N	N	N	N	9.00	N	N	N	N
	RHV21-18-220114	12-18	01/14/22	7.35	N	N	N	N	8.17	N	N	N	N
RHV-22	RHV22-6-220110	0-6	01/10/22	13.4	N	N	N	N	14.9	N	N	N	N
	RHV22-18-220110	12-18	01/10/22	9.80	N	N	N	N	10.9	N	N	N	N
RHV-23	RHV23-6-220114	0-6	01/14/22	13.1	N	N	N	N	14.6	N	N	N	N
	RHV23-18-220114	12-18	01/14/22	8.05	N	N	N	N	8.94	N	N	N	N
RHV-24	RHV24-6-220110	0-6	01/10/22	12.4	N	N	N	N	13.8	N	N	N	N
	RHV24-18-220110	12-18	01/10/22	7.80	N	N	N	N	8.67	N	N	N	N
RHV-25	RHV25-6-220110	0-6	01/10/22	13.1	N	N	N	N	14.6	N	N	N	N
	RHV25-18-220110	12-18	01/10/22	8.00	N	N	N	N	8.89	N	N	N	N
RHV-26	RHV26-6-220111	0-6	01/11/22	11.3	N	N	N	N	12.6	N	N	N	N
	RHV26-18-220111	12-18	01/11/22	7.50	N	N	N	N	8.33	N	N	N	N
RHV-27	RHV27-6-220111	0-6	01/11/22	13.3	N	N	N	N	14.8	N	N	N	N
	RHV27-18-220111	12-18	01/11/22	7.95	N	N	N	N	8.83	N	N	N	N
RHV-28	RHV28-6-220114	0-6	01/14/22	9.10	N	N	N	N	10.1	N	N	N	N
	RHV28-18-220114	12-18	01/14/22	6.40	N	N	N	N	7.11	N	N	N	N
RHV-29	RHV29-6-220114	0-6	01/14/22	9.00	N	N	N	N	10.0	N	N	N	N
	RHV29-18-220114	12-18	01/14/22	6.10	N	N	N	N	6.78	N	N	N	N

Table 1. Reid-Hillview Surface Soil Analytical Data Compared to Environmental Screening Levels
Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Wet Weight Exceeds CA Residential Soil ESL of 82 mg/kg ¹	Wet Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Wet Weight Exceeds USEPA Residential Soil RSL of 400 mg/kg ³	Wet Weight Exceeds USEPA Industrial Soil RSL of 800 mg/kg ⁴	Lead (mg/kg assumed 90% dry weight)	Assumed Dry Weight Exceeds CA Residential Soil ESL of 82 mg/kg ¹	Assumed Dry Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Assumed Dry Weight Exceeds USEPA Residential Soil RSL of 400	Assumed Dry Weight Exceeds USEPA Industrial Soil RSL of 800
RHV-30	RHV30-6-220111	0-6	01/11/22	5.25	N	N	N	N	5.83	N	N	N	N
	RHV30-18-220111	12-18	01/11/22	13.5	N	N	N	N	15.0	N	N	N	N
RHV-31	RHV31-6-220111	0-6	01/11/22	14.8	N	N	N	N	16.4	N	N	N	N
	RHV31-18-220111	12-18	01/11/22	7.70	N	N	N	N	8.56	N	N	N	N
RHV-32	RHV32-6-220111	0-6	01/11/22	4.79	N	N	N	N	5.32	N	N	N	N
	RHV32-18-220111	12-18	01/11/22	7.20	N	N	N	N	8.00	N	N	N	N

¹CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Residential Shallow Soil Exposure Cancer Risk, 2019

²CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Commercial/Industrial Shallow Soil Exposure Cancer Risk, 2019

³USEPA Regional Screening Level for Residential Soil, November 2021, HQ 0.1

⁴USEPA Regional Screening Level for Industrial Soil, November 2021, HQ 0.1

Table 2. San Martin Surface Soil Analytical Data Compared to Environmental Screening Levels
Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Wet Weight Exceeds CA Residentail Soil ESL of 82 mg/kg ¹	Wet Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Wet Weight Exceeds USEPA Residential Soil RSL of 400 mg/kg ³	Wet Weight Exceeds USEPA Industrial Soil RSL of 800 mg/kg ⁴	Lead (mg/kg assumed 90% dry weight)	Assumed Dry Weight Exceeds CA Residentail Soil ESL of 82 mg/kg ¹	Assumed Dry Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Assumed Dry Weight Exceeds USEPA Residential Soil RSL of 400 mg/kg ³	Assumed Dry Weight Exceeds USEPA Industrial Soil RSL of 800 mg/kg ⁴
E16-01	E1601-6-220113	0-6	01/17/22	8.90	N	N	N	N	9.89	N	N	N	N
	E1601-18-220113	12-18	01/17/22	2.13 J	N	N	N	N	2.37 J	N	N	N	N
E16-02	E1602-6-220113	0-6	01/17/22	5.20	N	N	N	N	5.78	N	N	N	N
	E1602-18-220113	12-18	01/17/22	2.35 J	N	N	N	N	2.61 J	N	N	N	N
E16-03	E1603-6-220113	0-6	01/17/22	7.60	N	N	N	N	8.44	N	N	N	N
	E1603-18-220113	12-18	01/17/22	3.32	N	N	N	N	3.69	N	N	N	N
E16-04	E1604-6-220113	0-6	01/17/22	5.75	N	N	N	N	6.39	N	N	N	N
	E1604-18-220113	12-18	01/17/22	1.94 J	N	N	N	N	2.16 J	N	N	N	N
E16-05	E1605-6-220113	0-6	01/17/22	16.2	N	N	N	N	18.0	N	N	N	N
	E1605-18-220113	12-18	01/17/22	2.77 J	N	N	N	N	3.08 J	N	N	N	N
E16-06	E1606-6-220113	0-6	01/17/22	3.20	N	N	N	N	3.56	N	N	N	N
	E1606-18-220113	12-18	01/17/22	3.23	N	N	N	N	3.59	N	N	N	N
E16-07	E1607-6-220118	0-6	01/18/22	1.91 J	N	N	N	N	2.12 J	N	N	N	N
	E1607-18-220118	12-18	01/18/22	2.50 J	N	N	N	N	2.78 J	N	N	N	N
E16-08	E1608-6-220113	0-6	01/17/22	6.55	N	N	N	N	7.28	N	N	N	N
	E1608-18-220113	12-18	01/17/22	2.48 J	N	N	N	N	2.76 J	N	N	N	N
E16-09	E1609-6-220113	0-6	01/17/22	14.5	N	N	N	N	16.1	N	N	N	N
	E1609-18-220113	12-18	01/17/22	5.05	N	N	N	N	5.61	N	N	N	N
E16-10	E1610-6-220113	0-6	01/17/22	2.95 J	N	N	N	N	3.28 J	N	N	N	N
	E1610-18-220113	12-18	01/17/22	2.11 J	N	N	N	N	2.34 J	N	N	N	N
E16-11	E1611-6-220118	0-6	01/18/22	8.60	N	N	N	N	9.56	N	N	N	N
	E1611-18-220118	12-18	01/18/22	3.45	N	N	N	N	3.83	N	N	N	N
E16-12	E16-12-6-220113	0-6	01/13/22	9.05	N	N	N	N	10.1	N	N	N	N
	E16-12-18-220113	12-18	01/13/22	7.60	N	N	N	N	8.44	N	N	N	N
E16-13	E16-13-6-220113	0-6	01/13/22	5.05	N	N	N	N	5.61	N	N	N	N
	E16-13-18-220113	12-18	01/13/22	3.63	N	N	N	N	4.03	N	N	N	N
E16-14	E16-14-6-220113	0-6	01/13/22	13.9	N	N	N	N	15.4	N	N	N	N
	E16-14-18-220113	12-18	01/13/22	2.49 J	N	N	N	N	2.77 J	N	N	N	N
E16-15	E16-15-6-220113	0-6	01/13/22	26.1	N	N	N	N	29.0	N	N	N	N
	E16-15-18-220113	12-18	01/13/22	8.05	N	N	N	N	8.94	N	N	N	N
E16-16	E16-16-6-220113	0-6	01/13/22	5.10	N	N	N	N	5.67	N	N	N	N
	E16-16-18-220113	12-18	01/13/22	8.60	N	N	N	N	9.56	N	N	N	N
E16-17	E1617-6-220118	0-6	01/18/22	3.35	N	N	N	N	3.72	N	N	N	N
	E1617-18-220118	12-18	01/18/22	3.56	N	N	N	N	3.96	N	N	N	N
E16-18	E16-18-6-220112	0-6	01/12/22	7.60	N	N	N	N	8.44	N	N	N	N
	E16-18-18-220112	12-18	01/12/22	3.49	N	N	N	N	3.88	N	N	N	N
E16-20	E1620-6-220118	0-6	01/18/22	2.98 J	N	N	N	N	3.31 J	N	N	N	N
	E1620-18-220118	12-18	01/18/22	3.27	N	N	N	N	3.63	N	N	N	N
E16-21	E16-21-6-220113	0-6	01/13/22	7.95	N	N	N	N	8.83	N	N	N	N
	E16-21-18-220113	12-18	01/13/22	3.55	N	N	N	N	3.94	N	N	N	N
E16-22	E16-22-6-220112	0-6	01/12/22	7.70	N	N	N	N	8.56	N	N	N	N
	E16-22-18-220112	12-18	01/12/22	4.68	N	N	N	N	5.20	N	N	N	N
E16-23	E16-23-6-220112	0-6	01/12/22	6.65	N	N	N	N	7.39	N	N	N	N
	E16-23-18-220112	12-18	01/12/22	3.31	N	N	N	N	3.68	N	N	N	N
E16-24	E16-24-6-220112	0-6	01/12/22	7.10	N	N	N	N	7.89	N	N	N	N
	E16-24-18-220112	12-18	01/12/22	4.55	N	N	N	N	5.06	N	N	N	N
E16-25	E16-25-6-220112	0-6	01/12/22	8.05	N	N	N	N	8.94	N	N	N	N
	E16-25-18-220112	12-18	01/12/22	4.62	N	N	N	N	5.13	N	N	N	N
E16-26	E16-26-6-220113	0-6	01/13/22	7.40	N	N	N	N	8.22	N	N	N	N
	E16-26-18-220113	12-18	01/13/22	3.31	N	N	N	N	3.68	N	N	N	N
E16-27	E16-27-6-220113	0-6	01/13/22	6.55	N	N	N	N	7.28	N	N	N	N
	E16-27-18-220113	12-18	01/13/22	5.90	N	N	N	N	6.56	N	N	N	N

Table 2. San Martin Surface Soil Analytical Data Compared to Environmental Screening Levels
Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Wet Weight Exceeds CA Residential Soil ESL of 82 mg/kg ¹	Wet Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Wet Weight Exceeds USEPA Residential Soil RSL of 400 mg/kg ³	Wet Weight Exceeds USEPA Industrial Soil RSL of 800 mg/kg ⁴	Lead (mg/kg assumed 90% dry weight)	Assumed Dry Weight Exceeds CA Residential Soil ESL of 82 mg/kg ¹	Assumed Dry Weight Exceeds CA Industrial Soil ESL of 380 mg/kg ²	Assumed Dry Weight Exceeds USEPA Residential Soil RSL of 400 mg/kg ³	Assumed Dry Weight Exceeds USEPA Industrial Soil RSL of 800 mg/kg ⁴
E16-28	E16-28-6-220113	0-6	01/13/22	5.90	N	N	N	N	6.56	N	N	N	N
	E16-28-18-220113	12-18	01/13/22	3.31	N	N	N	N	3.68	N	N	N	N
E16-29	E16-29-6-220113	0-6	01/13/22	9.55	N	N	N	N	10.6	N	N	N	N
	E16-29-18-220113	12-18	01/13/22	3.20	N	N	N	N	3.56	N	N	N	N
E16-30	E16-30-6-220112	0-6	01/12/22	8.30	N	N	N	N	9.22	N	N	N	N
	E16-30-18-220112	12-18	01/12/22	4.01	N	N	N	N	4.46	N	N	N	N
E16-31	E16-31-6-220112	0-6	01/12/22	6.50	N	N	N	N	7.22	N	N	N	N
	E16-31-18-220112	12-18	01/12/22	7.05	N	N	N	N	7.83	N	N	N	N
E16-32	E16-32-6-220112	0-6	01/12/22	9.05	N	N	N	N	10.1	N	N	N	N
	E16-32-18-220112	12-18	01/12/22	3.60	N	N	N	N	4.00	N	N	N	N
E16-33	E16-33-6-220112	0-6	01/12/22	5.60	N	N	N	N	6.22	N	N	N	N
	E16-33-18-220112	12-18	01/12/22	3.89	N	N	N	N	4.32	N	N	N	N
E16-34	E16-34-6-220112	0-6	01/12/22	8.30	N	N	N	N	9.22	N	N	N	N
	E16-34-18-220112	12-18	01/12/22	9.60	N	N	N	N	10.7	N	N	N	N
E16-35	E16-35-6-220112	0-6	01/12/22	7.05	N	N	N	N	7.83	N	N	N	N
	E16-35-18-220112	12-18	01/12/22	3.75	N	N	N	N	4.17	N	N	N	N
E16-36	E16-36-6-220112	0-6	01/12/22	17.5	N	N	N	N	19.4	N	N	N	N
	E16-36-18-220112	12-18	01/12/22	27.3	N	N	N	N	30.3	N	N	N	N

¹CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Residential Shallow Soil Exposure Cancer Risk, 2019

²CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Commercial/Industrial Shallow Soil Exposure Cancer Risk, 2019

³USEPA Regional Screening Level for Residential Soil, November 2021, HQ 0.1

⁴USEPA Regional Screening Level for Industrial Soil, November 2021, HQ 0.1

Table 3. Reid-Hillview Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLCs)

Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Exceeds CA TTLC Trigger of 50 mg/kg for STLC	Exceeds CA TTLC Trigger of 100 mg/kg for TCLP
RHV-01	RHV01-6-220114	0-6	01/14/22	8.30	N	N
	RHV01-18-220114	12-18	01/14/22	8.20	N	N
RHV-02	RHV02-6-220114	0-6	01/14/22	16.5	N	N
	RHV02-18-220114	12-18	01/14/22	8.65	N	N
RHV-03	RHV03-6-220114	0-6	01/14/22	22.2	N	N
	RHV03-18-220114	12-18	01/14/22	42.0	N	N
RHV-04	RHV04-6-220114	0-6	01/14/22	7.00	N	N
	RHV04-18-220114	12-18	01/14/22	14.9	N	N
RHV-05	RHV05-6-220114	0-6	01/14/22	7.65	N	N
	RHV05-18-220114	12-18	01/14/22	6.30	N	N
RHV-06	RHV06-6-220114	0-6	01/14/22	5.30	N	N
	RHV06-18-220114	12-18	01/14/22	23.9	N	N
RHV-07	RHV07-6-220114	0-6	01/14/22	11.4	N	N
	RHV07-18-220114	12-18	01/14/22	8.80	N	N
RHV-08	RHV08-6-220114	0-6	01/14/22	7.75	N	N
	RHV08-18-220114	12-18	01/14/22	9.40	N	N
RHV-09	RHV9-6-220110	0-6	01/10/22	15.3	N	N
	RHV9-18-220110	12-18	01/10/22	22.5	N	N
RHV-10	RHV10-6-220110	0-6	01/10/22	12.7	N	N
	RHV10-18-220110	12-18	01/10/22	10.5	N	N
RHV-11	RHV11-6-220110	0-6	01/10/22	9.60	N	N
	RHV11-18-220110	12-18	01/10/22	8.85	N	N
RHV-12	RHV12-6-220110	0-6	01/10/22	6.80	N	N
	RHV12-18-220110	12-18	01/10/22	8.65	N	N
RHV-13	RHV13-6-220110	0-6	01/10/22	8.65	N	N
	RHV13-18-220110	12-18	01/10/22	6.15	N	N
RHV-14	RHV14-6-220111	0-6	01/11/22	16.0	N	N
	RHV14-18-220111	12-18	01/11/22	10.4	N	N
RHV-15	RHV15-6-220110	0-6	01/10/22	38.2	N	N
	RHV15-18-220110	12-18	01/10/22	37.3	N	N
RHV-16	RHV16-6-220110	0-6	01/10/22	11.5	N	N
	RHV16-18-220110	12-18	01/10/22	12.6	N	N
RHV-17	RHV17-6-220111	0-6	01/11/22	16.5	N	N
	RHV17-18-220111	12-18	01/11/22	9.95	N	N
RHV-18	RHV18-6-220111	0-6	01/11/22	6.05	N	N
	RHV18-18-220111	12-18	01/11/22	18.3	N	N
RHV-19	RHV19-6-220111	0-6	01/11/22	8.15	N	N
	RHV19-18-220111	12-18	01/11/22	7.45	N	N
RHV-20	RHV20-6-220111	0-6	01/11/22	15.5	N	N
	RHV20-18-220111	12-18	01/11/22	14.3	N	N
RHV-21	RHV21-6-220114	0-6	01/14/22	8.10	N	N
	RHV21-18-220114	12-18	01/14/22	7.35	N	N
RHV-22	RHV22-6-220110	0-6	01/10/22	13.4	N	N
	RHV22-18-220110	12-18	01/10/22	9.80	N	N

Table 3. Reid-Hillview Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLC)

Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Exceeds CA TTLC Trigger of 50 mg/kg for STLC	Exceeds CA TTLC Trigger of 100 mg/kg for TCLP
RHV-23	RHV23-6-220114	0-6	01/14/22	13.1	N	N
	RHV23-18-220114	12-18	01/14/22	8.05	N	N
RHV-24	RHV24-6-220110	0-6	01/10/22	12.4	N	N
	RHV24-18-220110	12-18	01/10/22	7.80	N	N
RHV-25	RHV25-6-220110	0-6	01/10/22	13.1	N	N
	RHV25-18-220110	12-18	01/10/22	8.00	N	N
RHV-26	RHV26-6-220111	0-6	01/11/22	11.3	N	N
	RHV26-18-220111	12-18	01/11/22	7.50	N	N
RHV-27	RHV27-6-220111	0-6	01/11/22	13.3	N	N
	RHV27-18-220111	12-18	01/11/22	7.95	N	N
RHV-28	RHV28-6-220114	0-6	01/14/22	9.10	N	N
	RHV28-18-220114	12-18	01/14/22	6.40	N	N
RHV-29	RHV29-6-220114	0-6	01/14/22	9.00	N	N
	RHV29-18-220114	12-18	01/14/22	6.10	N	N
RHV-30	RHV30-6-220111	0-6	01/11/22	5.25	N	N
	RHV30-18-220111	12-18	01/11/22	13.5	N	N
RHV-31	RHV31-6-220111	0-6	01/11/22	14.8	N	N
	RHV31-18-220111	12-18	01/11/22	7.70	N	N
RHV-32	RHV32-6-220111	0-6	01/11/22	4.79	N	N
	RHV32-18-220111	12-18	01/11/22	7.20	N	N

Table 4. San Martin Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLCs) Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Exceeds CA TTLC Trigger of 50 mg/kg for STLC	Exceeds CA TTLC Trigger of 100 mg/kg for TCLP
E16-01	E1601-6-220113	0-6	01/17/22	8.90	N	N
	E1601-18-220113	12-18	01/17/22	2.13 J	N	N
E16-02	E1602-6-220113	0-6	01/17/22	5.20	N	N
	E1602-18-220113	12-18	01/17/22	2.35 J	N	N
E16-03	E1603-6-220113	0-6	01/17/22	7.60	N	N
	E1603-18-220113	12-18	01/17/22	3.32	N	N
E16-04	E1604-6-220113	0-6	01/17/22	5.75	N	N
	E1604-18-220113	12-18	01/17/22	1.94 J	N	N
E16-05	E1605-6-220113	0-6	01/17/22	16.2	N	N
	E1605-18-220113	12-18	01/17/22	2.77 J	N	N
E16-06	E1606-6-220113	0-6	01/17/22	3.20	N	N
	E1606-18-220113	12-18	01/17/22	3.23	N	N
E16-07	E1607-6-220118	0-6	01/18/22	1.91 J	N	N
	E1607-18-220118	12-18	01/18/22	2.50 J	N	N
E16-08	E1608-6-220113	0-6	01/17/22	6.55	N	N
	E1608-18-220113	12-18	01/17/22	2.48 J	N	N
E16-09	E1609-6-220113	0-6	01/17/22	14.5	N	N
	E1609-18-220113	12-18	01/17/22	5.05	N	N
E16-10	E1610-6-220113	0-6	01/17/22	2.95 J	N	N
	E1610-18-220113	12-18	01/17/22	2.11 J	N	N
E16-11	E1611-6-220118	0-6	01/18/22	8.60	N	N
	E1611-18-220118	12-18	01/18/22	3.45	N	N
E16-12	E16-12-6-220113	0-6	01/13/22	9.05	N	N
	E16-12-18-220113	12-18	01/13/22	7.60	N	N
E16-13	E16-13-6-220113	0-6	01/13/22	5.05	N	N
	E16-13-18-220113	12-18	01/13/22	3.63	N	N
E16-14	E16-14-6-220113	0-6	01/13/22	13.9	N	N
	E16-14-18-220113	12-18	01/13/22	2.49 J	N	N
E16-15	E16-15-6-220113	0-6	01/13/22	26.1	N	N
	E16-15-18-220113	12-18	01/13/22	8.05	N	N
E16-16	E16-16-6-220113	0-6	01/13/22	5.10	N	N
	E16-16-18-220113	12-18	01/13/22	8.60	N	N
E16-17	E1617-6-220118	0-6	01/18/22	3.35	N	N
	E1617-18-220118	12-18	01/18/22	3.56	N	N
E16-18	E16-18-6-220112	0-6	01/12/22	7.60	N	N
	E16-18-18-220112	12-18	01/12/22	3.49	N	N
E16-20	E1620-6-220118	0-6	01/18/22	2.98 J	N	N
	E1620-18-220118	12-18	01/18/22	3.27	N	N
E16-21	E16-21-6-220113	0-6	01/13/22	7.95	N	N
	E16-21-18-220113	12-18	01/13/22	3.55	N	N
E16-22	E16-22-6-220112	0-6	01/12/22	7.70	N	N
	E16-22-18-220112	12-18	01/12/22	4.68	N	N
E16-23	E16-23-6-220112	0-6	01/12/22	6.65	N	N
	E16-23-18-220112	12-18	01/12/22	3.31	N	N
E16-24	E16-24-6-220112	0-6	01/12/22	7.10	N	N
	E16-24-18-220112	12-18	01/12/22	4.55	N	N
E16-25	E16-25-6-220112	0-6	01/12/22	8.05	N	N
	E16-25-18-220112	12-18	01/12/22	4.62	N	N
E16-26	E16-26-6-220113	0-6	01/13/22	7.40	N	N
	E16-26-18-220113	12-18	01/13/22	3.31	N	N
E16-27	E16-27-6-220113	0-6	01/13/22	6.55	N	N
	E16-27-18-220113	12-18	01/13/22	5.90	N	N
E16-28	E16-28-6-220113	0-6	01/13/22	5.90	N	N
	E16-28-18-220113	12-18	01/13/22	3.31	N	N
E16-29	E16-29-6-220113	0-6	01/13/22	9.55	N	N
	E16-29-18-220113	12-18	01/13/22	3.20	N	N
E16-30	E16-30-6-220112	0-6	01/12/22	8.30	N	N
	E16-30-18-220112	12-18	01/12/22	4.01	N	N
E16-31	E16-31-6-220112	0-6	01/12/22	6.50	N	N
	E16-31-18-220112	12-18	01/12/22	7.05	N	N

Table 4. San Martin Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLCs)
Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

Location	Sample ID	Depth (inches)	Sample Date	Lead (mg/kg wet weight)	Exceeds CA TTLC Trigger of 50 mg/kg for STLC	Exceeds CA TTLC Trigger of 100 mg/kg for TCLP
E16-32	E16-32-6-220112	0-6	01/12/22	9.05	N	N
	E16-32-18-220112	12-18	01/12/22	3.60	N	N
E16-33	E16-33-6-220112	0-6	01/12/22	5.60	N	N
	E16-33-18-220112	12-18	01/12/22	3.89	N	N
E16-34	E16-34-6-220112	0-6	01/12/22	8.30	N	N
	E16-34-18-220112	12-18	01/12/22	9.60	N	N
E16-35	E16-35-6-220112	0-6	01/12/22	7.05	N	N
	E16-35-18-220112	12-18	01/12/22	3.75	N	N
E16-36	E16-36-6-220112	0-6	01/12/22	17.5	N	N
	E16-36-18-220112	12-18	01/12/22	27.3	N	N

Figures

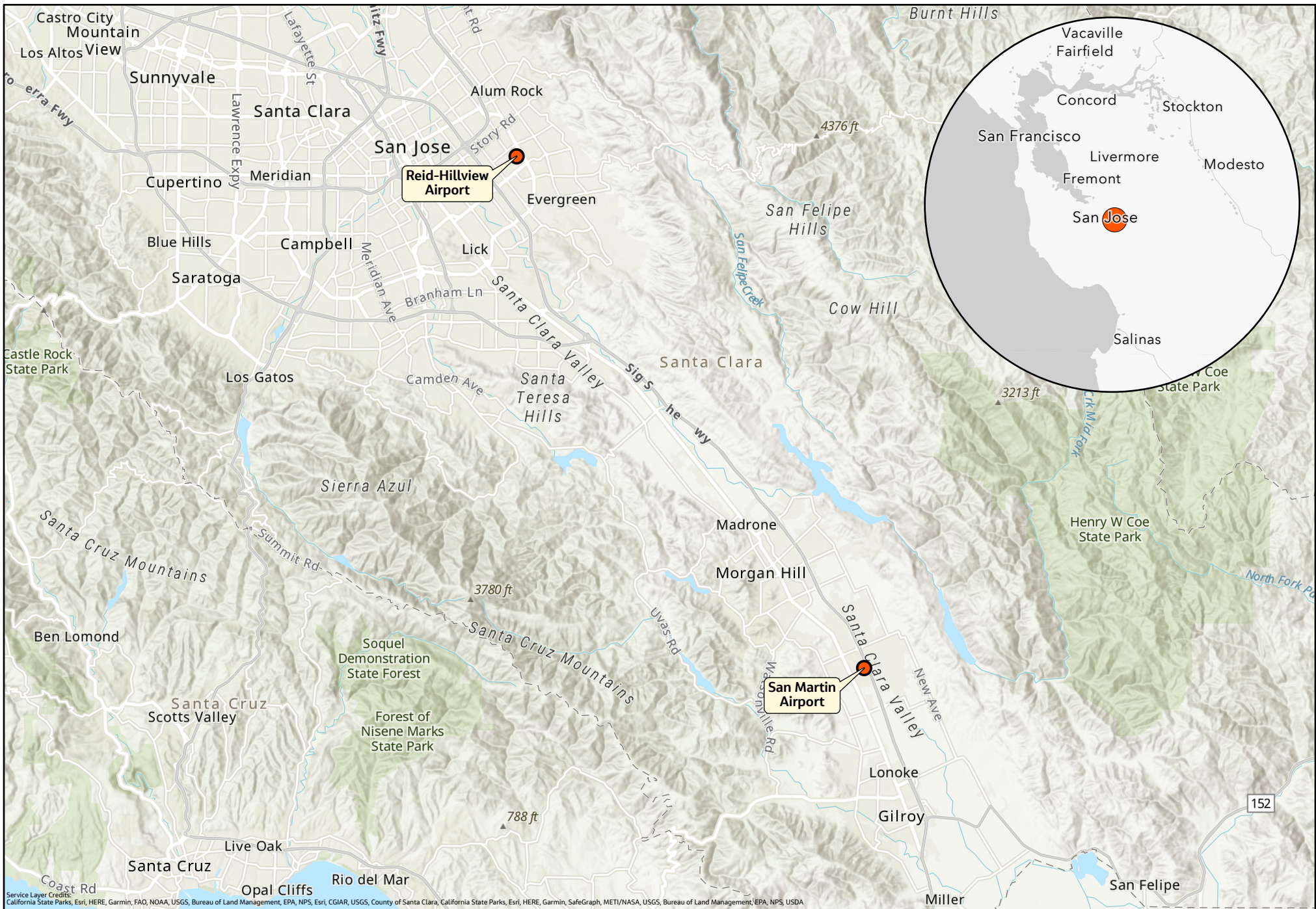
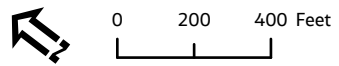


Figure 1
 Site Location Map
 Aerially Deposited Lead Investigation Report
 Santa Clara County, California



\\dc1vs01\GISProj\Santa Clara County\MapFiles\SCCRA_Projects.aprx - 2/14/2022

Imagery Source: ESRI Basemap



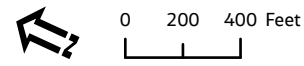
- Original Sample Location
- Relocated Sample Location

Figure 2
 Reid-Hillview Airport
 Soil Sampling Locations
 Aerially Deposited Lead Investigation Report
 Santa Clara County, California

\\dc1vs01\GISProj\Santa Clara County\MapFiles\SCCRA_Projects.aprx - 2/14/2022



Imagery Source: ESRI Basemap



- Original Sample Location
- Relocated Sample Location
- Removed Sample Location

Figure 3
 San Martin Airport
 Soil Sampling Locations
 Aerially Deposited Lead Investigation Report
 Santa Clara County, California

Appendix A

Field Notes

Santa Clara RHV 01-10-2022
Soil Sampling

- 0715 Jacobs on-site
- 0815 Met w John Suter (USCAR)
- 0830 Arrive at RHV-24 within runways
to begin sampling.
- 0945 Completed RHV-24, RHV-25 &
RHV-22 soil grab samples.
- 1025 completed soil sampling @ RHV-13
electrical line present within
15' buffer.
- 1140 Completed RHV-10, RHV-11 &
RHV-12
- 1145 Lunch break
- 1230 Escorted back on to site
- 1340 Completed RHV-09, RHV-15 &
RHV-16
- 1345 Escorted off runways
- 1420 completed, finalized COC &
packed sample cooler for drop-off
at lab.
- 1500 Jacobs off-site

EOP JT

Santa Clara

01-11-23

RHV ~~San Martin~~ Soil Sampling

- 0745 Jacobs on-site outside of airport entrance.
- 0815 Meet w/ John Suter (Site escort) & taken on-site
- 1100 Completed soil sampling at 6" & 18" depths using hand auger & dig bar at:
RHV-17, 18, 19, 20 & 26
- 1115 Short break for urgent other work / meetings.
- 1145 Lunch break
- 1240 Return to site after lunch
- 1245 Escorted on to runway to continue soil sampling
- 1440 Completed soil sampling activities at RHV-14, 27, 30, 31 & 32.
- 1450 Packed up sampling equip. for the day / escorted off the runway.
- 1510 Generated COC / sample check
- 1550 Jacobs off-site to drop off samples at lab.

EOD

Rate in the Rain.

Soil Sampling

- 0745 Jacobs on-site / met w/ Mike
- site escort
- 0810 Tailgate conducted (POWERA review)
- 0835 Mobilized to sample points in adjacent field (adj. to runway)
- point within the solar panel field
- 1115 Completed sampling activities w/ hand auger + shovel, etc on sampling points E16-30 through E16-36 (30, 31, 32, 33, 34, 35 + 36) (7 points in total)
- 1120 Lunch break
- 1210 Escorted to another open field adj. to runway (skydiving field)
- 1220 Resumed sampling activity
- 1415 Completed sampling activities on points E16-18 + E16-22 thru E16-25 (22, 23, 24, + 25) (5 pts. in total)
- finished 12 sampling pts / 24 samples
- 1500 JACOBS OFF-SITE

EOP
15T

Santa Clara San Martin 01-13-22⁹

Soil Sampling

- 0745 Jacobs on-site
- 0750 Safety tailgate meeting conducted
- 0805 Setting up to start sampling
- 1250 Completed soil sampling activities on E16-12 thru E16-16; E16-21; E16-26 thru E16-29

(16 pts. / 20 samples in total)

~~1700~~ Escorted

E16-19 relocated 15' toward the runway.

1300 Escorted all the runway

1305 Lunch break

1330 Completed COLs & sample dock

1430 Jacobs off-site for sample drop off at lab.



Santa Clara RHV 01-14-22

Soil Sampling

- 0745 Met with PG&E pointing out gas line at RHV-05, no conflict.
- 0800 coordinating for access to RHV 4 & 7 for PG&E clearance.
- 0820 confirmed access to RHV 4 & 7
- 0940 PG&E off-site
- 1040 Completed soil sampling for RHV-04, RHV-07 & RHV-29
 - RHV-09 has PG&E utility located adjacent to buffer zone
 - no conflict
- 1300 Completed soil sampling activities on RHV-05, RHV-06, RHV-08, RHV-21, RHV-23
 - RHV-05 has utility lines but no conflicts.
- 1305 Lunch break
- 1530 Completed soil sampling activities on RHV 1-3 & RHV-28.
 - All RHV sampling locations done.
- 1605 Tatum left site for sample drop off at lab.
- 1630 Jacobs off-site

Santa Clara San Martin 01-17-22 ¹¹

Soil Sampling

0750

Jacobs on-site

0815

Escorted on to the property

0830

Conducted safety tailgate meeting

1215

Completed sampling activities
on points:

E16-01, E16-02, E16-03, E16-04, JT
E16-06, E16-08, E16-10, ~~E16-20~~
- E16-20 met refusal at exact proposed
point. point relocated approx. 13'
from original point; still within
utility cleared 15' buffer.

1225

Lunch break

1300

Resumed activity

1410

Completed sampling activities
on points: E16-05 + E16-09
- E16-05 relocated 13' towards the
taxiway due to significant gravel

1415

Escorted off-site

1420

COLS completed + Jacobs off-site
for sample drop at a lab

E017

JT

Soil Sampling

- 0850 Jacobs on-site
- 0900 Escorted on to site property
- 0905 Conducted safety tailgate meeting
- 0915 continued soil sampling
- 1055 Completed sampling activities
on points: (E16-19 skipped; pt. grid still rep.)
E16-7, E16-11, E16-17, & E16-20.
- E16-20 was sampled at the
relocated point within the
utility cleared 15' buffer zone.
- 1100 Completed final decon. for all
equipment
- 1110 Escorted off site property
- 1115 Completed COC, sample check
for drop off at lab
- 1200 Jacobs off-site
- ALL sampling activities completed.

EOP
JY

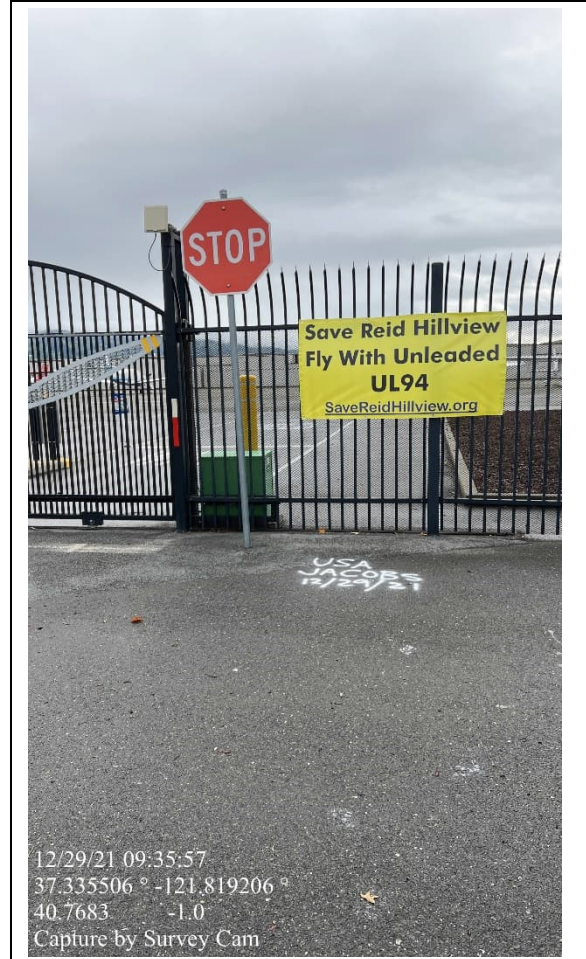
Appendix B

Representative Photographs



12/28/21 14:42:16
37.078657 ° -121.600374 °
79.9929 -1.0
Capture by Survey Cam

12/28/2021. USA marking at San Martin Airport (E16) entrance.



12/29/21 09:35:57
37.335506 ° -121.819206 °
40.7683 -1.0
Capture by Survey Cam

12/29/2021. USA marking at Reid-Hillview Airport (RHV) entrance.



12/28/2021. E16-04 Utility Clearance



12/28/2021. E16-21: Utility Clearance



1/17/2022. E16-05: Sampling point relocated 13 feet towards taxiway due to significant gravel.



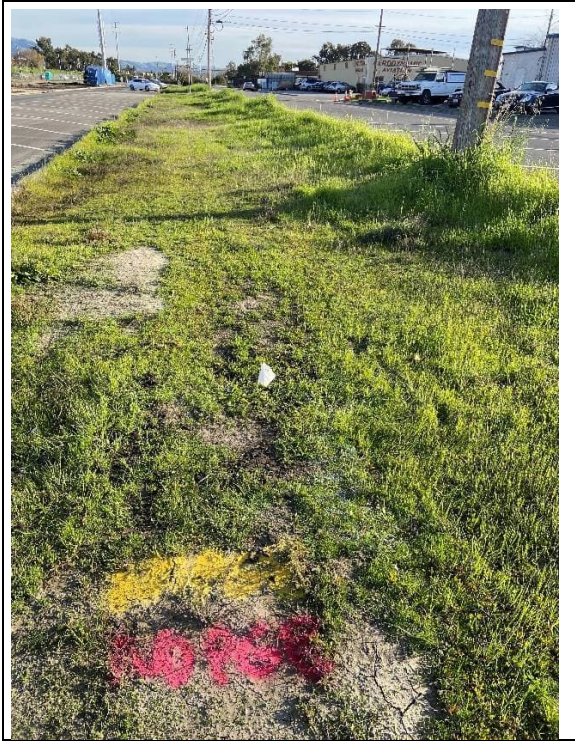
1/17/2022. E16-20: Proposed sampling point met refusal.



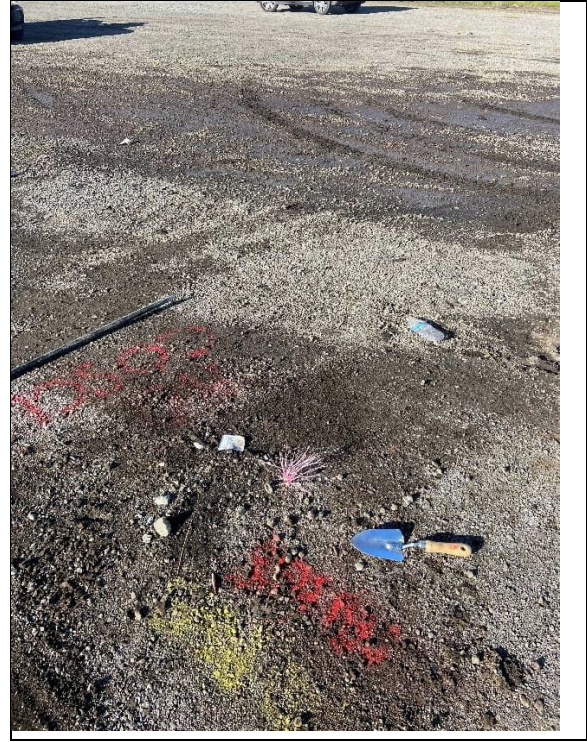
1/18/2022. E16-20: Sampling point relocated 13 feet from original point (pre-excavation).



1/14/2022. RHV-05: Utility Clearance



1/14/2022. RHV-01: Excess soil replaced in borehole after completed soil sampling.



1/14/2022. RHV-07: Excess soil replaced in borehole after completed soil sampling.



1/10/2022. RHV-24: Pre-excitation soil sampling location and equipment.



1/10/2022. RHV-25: Soil sampling location during excavation with hand auger.



1/14/2022. RHV-28: Pre-excavation soil sampling location and equipment.



1/11/2022. RHV-32: Post-excavation soil sampling location and equipment.

Appendix C
Laboratory Reports and CoCs



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL investigation

Work Order No.: 2201047

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 20 sample(s) on January 10, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink, appearing to read "Patti L Sandrock", is written over a light blue horizontal line.

Patti L Sandrock
QA Officer

January 17, 2022

Date



Date: 1/17/2022

Client: Jacobs Associates

Project: Santa Clara County ADL investigation

Work Order: 2201047

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/10/22

Date Reported: 01/17/22

RHV22-6-220110

2201047-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	13.4	mg/Kg

RHV22-18-220110

2201047-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.80	mg/Kg

RHV24-6-220110

2201047-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	12.4	mg/Kg

RHV24-18-220110

2201047-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.80	mg/Kg

RHV10-6-220110

2201047-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	12.7	mg/Kg

RHV10-18-220110

2201047-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	10.5	mg/Kg

RHV25-6-220110

2201047-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	13.1	mg/Kg

RHV25-18-220110

2201047-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.00	mg/Kg

RHV13-6-220110

2201047-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.65	mg/Kg

RHV13-18-220110

2201047-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.15	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/10/22

Date Reported: 01/17/22

RHV16-18-220110

2201047-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	12.6	mg/Kg

RHV16-6-220110

2201047-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	11.5	mg/Kg

RHV15-18-220110

2201047-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	37.3	mg/Kg

RHV15-6-220110

2201047-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	38.2	mg/Kg

RHV9-6-220110

2201047-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	15.3	mg/Kg

RHV9-18-220110

2201047-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	22.5	mg/Kg

RHV11-6-220110

2201047-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.60	mg/Kg

RHV11-18-220110

2201047-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.85	mg/Kg

RHV12-6-220110

2201047-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.80	mg/Kg

RHV12-18-220110

2201047-020

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.65	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV22-6-220110	Lab Sample ID:	2201047-001A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 9:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.4		mg/Kg	01/13/22	12:36	ERR	462781

Client Sample ID:	RHV22-18-220110	Lab Sample ID:	2201047-002A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 9:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.80		mg/Kg	01/13/22	12:37	ERR	462781

Client Sample ID:	RHV24-6-220110	Lab Sample ID:	2201047-003A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 8:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	12.4		mg/Kg	01/13/22	12:39	ERR	462781

Client Sample ID:	RHV24-18-220110	Lab Sample ID:	2201047-004A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 8:50		
SDG:			



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV24-18-220110	Lab Sample ID:	2201047-004A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 8:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.80		mg/Kg	01/13/22	12:42	ERR	462781

Client Sample ID:	RHV10-6-220110	Lab Sample ID:	2201047-005A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	12.7		mg/Kg	01/13/22	12:47	ERR	462781

Client Sample ID:	RHV10-18-220110	Lab Sample ID:	2201047-006A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	10.5		mg/Kg	01/13/22	12:49	ERR	462781

Client Sample ID:	RHV25-6-220110	Lab Sample ID:	2201047-007A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 9:00		
SDG:			



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV25-6-220110	Lab Sample ID:	2201047-007A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 9:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.1		mg/Kg	01/13/22	12:54	ERR	462781

Client Sample ID:	RHV25-18-220110	Lab Sample ID:	2201047-008A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 9:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.00		mg/Kg	01/13/22	12:56	ERR	462781

Client Sample ID:	RHV13-6-220110	Lab Sample ID:	2201047-009A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.65		mg/Kg	01/13/22	12:57	ERR	462781

Client Sample ID:	RHV13-18-220110	Lab Sample ID:	2201047-010A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:15		
SDG:			



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV13-18-220110	Lab Sample ID:	2201047-010A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.15		mg/Kg	01/13/22	12:59	ERR	462781

Client Sample ID:	RHV16-18-220110	Lab Sample ID:	2201047-011A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 13:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	12.6		mg/Kg	01/13/22	13:01	ERR	462781

Client Sample ID:	RHV16-6-220110	Lab Sample ID:	2201047-012A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 13:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	11.5		mg/Kg	01/13/22	13:02	ERR	462781

Client Sample ID:	RHV15-18-220110	Lab Sample ID:	2201047-013A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 13:20		
SDG:			



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV15-18-220110	Lab Sample ID:	2201047-013A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 13:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	37.3		mg/Kg	01/13/22	13:07	ERR	462781

Client Sample ID:	RHV15-6-220110	Lab Sample ID:	2201047-014A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 13:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	38.2		mg/Kg	01/13/22	13:09	ERR	462781

Client Sample ID:	RHV9-6-220110	Lab Sample ID:	2201047-015A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 12:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	15.3		mg/Kg	01/13/22	13:11	ERR	462781

Client Sample ID:	RHV9-18-220110	Lab Sample ID:	2201047-016A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 12:50		
SDG:			



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV9-18-220110	Lab Sample ID:	2201047-016A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 12:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	22.5		mg/Kg	01/13/22	13:12	ERR	462781

Client Sample ID:	RHV11-6-220110	Lab Sample ID:	2201047-017A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 11:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.60		mg/Kg	01/13/22	13:14	ERR	462781

Client Sample ID:	RHV11-18-220110	Lab Sample ID:	2201047-018A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 11:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.85		mg/Kg	01/13/22	13:16	ERR	462781

Client Sample ID:	RHV12-6-220110	Lab Sample ID:	2201047-019A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:55		
SDG:			



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/10/22, 3:15 pm
Date Reported: 01/17/22

Client Sample ID:	RHV12-6-220110	Lab Sample ID:	2201047-019A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 10:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.80		mg/Kg	01/13/22	13:17	ERR	462781

Client Sample ID:	RHV12-18-220110	Lab Sample ID:	2201047-020A
Project Name/Location:	Santa Clara County ADL investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/10/22 / 11:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/11/22	1:50:00PM
Prep Batch ID: 1138342	Prep Analyst: LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.65		mg/Kg	01/13/22	13:19	ERR	462781



MB Summary Report

Work Order:	2201047	Prep Method:	3050B	Prep Date:	01/11/22	Prep Batch:	1138342
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/13/2022	Analytical Batch:	462781
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead	0.10	3.00	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201047	Prep Method:	3050B	Prep Date:	01/11/22	Prep Batch:	1138342
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/13/2022	Analytical Batch:	462781
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	ND	50	99.1	97.0	2.24	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201047	Prep Method:	3050B	Prep Date:	01/11/22	Prep Batch:	1138342
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/13/2022	Analytical Batch:	462781
Spiked Sample:	2201047-006A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	10.5	50	91.0	96.0	4.37	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/10/2022 3:15:00PM

Project Name: Santa Clara County ADL investigation

Received By: Helena Ueng

Work Order No.: 2201047

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Yes Temperature: 5.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:

Slight ID discrepancy for sample collected 1/10/22@13:35 -- ID=RHV16-8-220110 per CoC; ID=RHV16-18-220110 per jar label; ID logged in per sample jar.



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL investigation
Project # : W8Y15300
Report Due Date: 1/17/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/10/2022
Time Received: 3:15 pm

Comments:
Work Order # : **2201047**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201047-001A	RHV22-6-220110	01/10/22 9:30	Soil	07/09/22			Met_S_As Pb	
Sample Note:	6010-Lead; Hold samples for possible TCLP							
2201047-002A	RHV22-18-220110	01/10/22 9:40	Soil	07/09/22			Met_S_As Pb	
2201047-003A	RHV24-6-220110	01/10/22 8:40	Soil	07/09/22			Met_S_As Pb	
2201047-004A	RHV24-18-220110	01/10/22 8:50	Soil	07/09/22			Met_S_As Pb	
2201047-005A	RHV10-6-220110	01/10/22 10:30	Soil	07/09/22			Met_S_As Pb	
2201047-006A	RHV10-18-220110	01/10/22 10:35	Soil	07/09/22			Met_S_As Pb	
2201047-007A	RHV25-6-220110	01/10/22 9:00	Soil	07/09/22			Met_S_As Pb	
2201047-008A	RHV25-18-220110	01/10/22 9:10	Soil	07/09/22			Met_S_As Pb	
2201047-009A	RHV13-6-220110	01/10/22 10:10	Soil	07/09/22			Met_S_As Pb	
2201047-010A	RHV13-18-220110	01/10/22 10:15	Soil	07/09/22			Met_S_As Pb	
2201047-011A	RHV16-18-220110	01/10/22 13:35	Soil	07/09/22			Met_S_As Pb	
2201047-012A	RHV16-6-220110	01/10/22 13:30	Soil	07/09/22			Met_S_As Pb	
2201047-013A	RHV15-18-220110	01/10/22 13:20	Soil	07/09/22			Met_S_As Pb	
2201047-014A	RHV15-6-220110	01/10/22 13:10	Soil	07/09/22			Met_S_As Pb	
2201047-015A	RHV9-6-220110	01/10/22 12:45	Soil	07/09/22			Met_S_As Pb	
2201047-016A	RHV9-18-220110	01/10/22 12:50	Soil	07/09/22			Met_S_As Pb	
2201047-017A	RHV11-6-220110	01/10/22 11:20	Soil	07/09/22			Met_S_As Pb	
2201047-018A	RHV11-18-220110	01/10/22 11:25	Soil	07/09/22			Met_S_As Pb	
2201047-019A	RHV12-6-220110	01/10/22 10:55	Soil	07/09/22			Met_S_As Pb	
2201047-020A	RHV12-18-220110	01/10/22 11:00	Soil	07/09/22			Met_S_As Pb	



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CHAIN OF CUSTODY

LAB WORK ORDER NO

2201047

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: <u>Jacobs Engineering</u>	<input type="checkbox"/> Env. <input type="checkbox"/> Special	Project #: <u>W8415300</u>	PO #:
Address: <u>155 Grand Ave #800</u>	Project Name: <u>Santa Clara County ADL investigation</u>		
City: <u>Oakland</u>	State: <u>CA</u>	Zip Code: <u>94612</u>	Comments:
Telephone: <u>510-457-0027</u>	Cell:	SAMPLER: <u>Katherine Anna / John Tallme</u>	Quote #:
REPORT TO: <u>Tara Zuro Weste</u>	BILL TO: <u>Jacobs</u>	EMAIL: <u>Tara.Zuroweste@jacobs.com</u>	

TURNAROUND TIME: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 4 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 7 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> Noon - Nxt Day <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 2-8 Hours	SAMPLE TYPE: <input type="checkbox"/> Indoor Air <input type="checkbox"/> Ambient Air <input checked="" type="checkbox"/> Soil/Gas Vapor <input type="checkbox"/> Other	REPORT FORMAT: <input type="checkbox"/> Level II - Std. <input type="checkbox"/> Excel - EDD <input type="checkbox"/> EDF <input checked="" type="checkbox"/> Std.-EDD <input type="checkbox"/> QC Level III <input type="checkbox"/> QC Level IV	ANALYSIS REQUESTED
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	TO 17 Pb	REMARKS
<u>001A</u>	<u>RHV22-6-220110</u>	<u>1-10-22</u> <u>9:30</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	<u>Hold for TCLP after analysis</u>
<u>002A</u>	<u>RHV22-18-220110</u>	<u>1-10-22</u> <u>9:40</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>003A</u>	<u>RHV24-16-220110</u>	<u>1-10-22</u> <u>8:40</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>004A</u>	<u>RHV24-18-220110</u>	<u>1-10-22</u> <u>8:50</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>005A</u>	<u>RHV10-6-220110</u>	<u>1-10-22</u> <u>10:30</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>006A</u>	<u>RHV10-18-220110</u>	<u>1-10-22</u> <u>10:35</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>007A</u>	<u>RHV25-16-220110</u>	<u>1-10-22</u> <u>9:00</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>008A</u>	<u>RHV25-18-220110</u>	<u>1-10-22</u> <u>9:16</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>009A</u>	<u>RHV13-6-220110</u>	<u>1-10-22</u> <u>10:10</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	
<u>010A</u>	<u>RHV13-18-220110</u>	<u>1-10-22</u> <u>10:15</u>	<u>Soil</u>	<u>1</u>	<u>GL</u>								<u>✓</u>	

Relinquished By: <u>[Signature]</u>	Print: <u>Katherine Anna</u>	Date: <u>1-10-22</u>	Time: <u>15:15</u>	Received By: <u>[Signature]</u>	Print: <u>[Signature]</u>	Date: <u>1/10/22</u>	Time: <u>1575</u>
Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 5 °C Page ___ of ___ Rev. 1



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CHAIN OF CUSTODY

LAB WORK ORDER NO

2201047

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: <u>Jacobs Engineering</u>			<input type="checkbox"/> Env. <input type="checkbox"/> Special	Project #: <u>W8415300</u>	PO #:
Address: <u>155 Grand Ave. #800</u>			Project Name: <u>Santa Clara County ADL investigation</u>		
City: <u>Oakland</u>	State: <u>CA</u>	Zip Code: <u>94612</u>	Comments:		
Telephone: <u>510-457-0027</u>		Cell:	SAMPLER: <u>Katherine Arina / John Touline</u> Quote #:		
REPORT TO: <u>Tara Zuroweste</u>		BILL TO: <u>Jacobs</u>		EMAIL: <u>Tara.Zuroweste@jacobs.com</u>	

TURNAROUND TIME:

- 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2-8 Hours

SAMPLE TYPE:

- Indoor Air
 Ambient Air
 Soil/Gas Vapor
 Other

REPORT FORMAT:

- Level II - Std.
 Excel - EDD
 EDF Std.-EDD
 QC Level III
 QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	Pb	REMARKS
<u>011A</u>	<u>RHV14-8-220110</u>	<u>1-10-22 13:35</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	<u>HOLD FOR TCLP after analysis</u>
<u>012A</u>	<u>RHV14-6-220110</u>	<u>1-10-22 13:30</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>013A</u>	<u>RHV15-18-220110</u>	<u>1-10-22 13:20</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>014A</u>	<u>RHV15-6-220110</u>	<u>1-10-22 13:10</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>015A</u>	<u>RHV09-6-220110</u>	<u>1-10-22 12:45</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>016A</u>	<u>RHV07-18-220110</u>	<u>1-10-22 12:50</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>017A</u>	<u>RHV11-6-220110</u>	<u>1-10-22 11:20</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>018A</u>	<u>RHV11-18-220110</u>	<u>1-10-22 11:25</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>019A</u>	<u>RHV12-6-220110</u>	<u>1-10-22 10:55</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>020A</u>	<u>RHV12-18-220110</u>	<u>1-10-22 11:00</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	

Relinquished By: <u>Katherine Arina</u>	Print: <u>Katherine Arina</u>	Date: <u>1-10-22</u>	Time: <u>15:15</u>	Received By: <u>John Touline</u>	Print: <u>John Touline</u>	Date: <u>1/10/22</u>	Time: <u>15:15</u>
2 Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment: do Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp: 5 #2 °C Page ___ of ___ Rev. 1



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201069

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 20 sample(s) on January 11, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink, appearing to read "Patti L Sandrock", is written over a light blue horizontal line.

Patti L Sandrock
QA Officer

January 18, 2022

Date



Date: 1/18/2022

Client: Jacobs Associates

Project: Santa Clara County ADL Investigation

Work Order: 2201069

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/11/22

Date Reported: 01/18/22

RHV26-18-220111

2201069-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.50	mg/Kg

RHV26-6-220111

2201069-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	11.3	mg/Kg

RHV19-6-220111

2201069-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.15	mg/Kg

RHV19-18-220111

2201069-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.45	mg/Kg

RHV18-6-220111

2201069-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.05	mg/Kg

RHV18-18-220111

2201069-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	18.3	mg/Kg

RHV27-6-220111

2201069-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	13.3	mg/Kg

RHV27-18-220111

2201069-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.95	mg/Kg

RHV31-6-220111

2201069-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	14.8	mg/Kg

RHV31-18-220111

2201069-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.70	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/11/22

Date Reported: 01/18/22

RHV32-6-220111

2201069-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	4.79	mg/Kg

RHV32-18-220111

2201069-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.20	mg/Kg

RHV30-6-220111

2201069-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.25	mg/Kg

RHV30-18-220111

2201069-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	13.5	mg/Kg

RHV14-6-220111

2201069-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	16.0	mg/Kg

RHV14-18-220111

2201069-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	10.4	mg/Kg

RHV20-6-220111

2201069-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	15.5	mg/Kg

RHV20-18-220111

2201069-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	14.3	mg/Kg

RHV17-6-220111

2201069-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	16.5	mg/Kg

RHV17-18-220111

2201069-020

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.95	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV26-18-220111	Lab Sample ID:	2201069-001A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 8:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.50		mg/Kg	01/14/22	16:45	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV26-6-220111	Lab Sample ID:	2201069-002A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 8:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	11.3		mg/Kg	01/14/22	16:46	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV19-6-220111	Lab Sample ID:	2201069-003A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 9:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.15		mg/Kg	01/14/22	16:48	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV19-18-220111	Lab Sample ID:	2201069-004A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 9:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.45		mg/Kg	01/14/22	16:53	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV18-6-220111	Lab Sample ID:	2201069-005A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 10:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.05		mg/Kg	01/14/22	16:55	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV18-18-220111	Lab Sample ID:	2201069-006A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 10:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	18.3		mg/Kg	01/14/22	17:00	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV27-6-220111	Lab Sample ID:	2201069-007A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 13:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.3		mg/Kg	01/14/22	17:01	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV27-18-220111	Lab Sample ID:	2201069-008A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 13:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.95		mg/Kg	01/14/22	17:03	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV31-6-220111	Lab Sample ID:	2201069-009A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 14:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	14.8		mg/Kg	01/14/22	17:05	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV31-18-220111	Lab Sample ID:	2201069-010A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 14:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.70		mg/Kg	01/14/22	17:06	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV32-6-220111	Lab Sample ID:	2201069-011A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 13:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	4.79		mg/Kg	01/14/22	17:10	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV32-18-220111	Lab Sample ID:	2201069-012A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 13:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.20		mg/Kg	01/14/22	17:11	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV30-6-220111	Lab Sample ID:	2201069-013A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 14:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.25		mg/Kg	01/14/22	17:13	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV30-18-220111	Lab Sample ID:	2201069-014A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 14:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.5		mg/Kg	01/14/22	17:15	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV14-6-220111	Lab Sample ID:	2201069-015A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 13:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.0		mg/Kg	01/14/22	17:19	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV14-18-220111	Lab Sample ID:	2201069-016A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 13:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	10.4		mg/Kg	01/14/22	17:21	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV20-6-220111	Lab Sample ID:	2201069-017A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 10:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	15.5		mg/Kg	01/14/22	17:23	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV20-18-220111	Lab Sample ID:	2201069-018A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 10:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	14.3		mg/Kg	01/14/22	17:24	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV17-6-220111	Lab Sample ID:	2201069-019A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 9:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.5		mg/Kg	01/14/22	17:26	ERR	462871



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/11/22, 4:00 pm
Date Reported: 01/18/22

Client Sample ID:	RHV17-18-220111	Lab Sample ID:	2201069-020A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/11/22 / 9:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/13/22	6:30:00PM
Prep Batch ID: 1138407	Prep Analyst: ERAGUDO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.95		mg/Kg	01/14/22	17:28	ERR	462871



MB Summary Report

Work Order:	2201069	Prep Method:	3050B	Prep Date:	01/13/22	Prep Batch:	1138407
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/14/2022	Analytical Batch:	462871
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead	0.10	3.00	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201069	Prep Method:	3050B	Prep Date:	01/13/22	Prep Batch:	1138407
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/14/2022	Analytical Batch:	462871
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	ND	50	98.4	99.4	1.01	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201069	Prep Method:	3050B	Prep Date:	01/13/22	Prep Batch:	1138407
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/14/2022	Analytical Batch:	462871
Spiked Sample:	2201069-003A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	8.15	50	93.7	103	7.86	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m³ , mg/m³ , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H - Indicates that the recommended holding time for the analyte or compound has been exceeded
J - Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R - The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S - Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/11/2022 4:00:00PM

Project Name: Santa Clara County ADL Investigation

Received By: Kathie Evans

Work Order No.: 2201069

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Yes Temperature: 5.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/18/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/11/2022
Time Received: 4:00 pm

Comments:
Work Order # : 2201069

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201069-001A	RHV26-18-220111	01/11/22 8:55	Soil	07/10/22			Met_S_As Pb	
Sample Note:	6010-Lead; Hold samples for possible TCLP **Use sample 2201069-003A for MS/MSD**							
2201069-002A	RHV26-6-220111	01/11/22 8:50	Soil	07/10/22			Met_S_As Pb	
2201069-003A	RHV19-6-220111	01/11/22 9:15	Soil	07/10/22			Met_S_As Pb	
Sample Note:	-003: RUN MS/MSD on this sample							
2201069-004A	RHV19-18-220111	01/11/22 9:25	Soil	07/10/22			Met_S_As Pb	
2201069-005A	RHV18-6-220111	01/11/22 10:10	Soil	07/10/22			Met_S_As Pb	
2201069-006A	RHV18-18-220111	01/11/22 10:15	Soil	07/10/22			Met_S_As Pb	
2201069-007A	RHV27-6-220111	01/11/22 13:20	Soil	07/10/22			Met_S_As Pb	
2201069-008A	RHV27-18-220111	01/11/22 13:25	Soil	07/10/22			Met_S_As Pb	
2201069-009A	RHV31-6-220111	01/11/22 14:30	Soil	07/10/22			Met_S_As Pb	
2201069-010A	RHV31-18-220111	01/11/22 14:35	Soil	07/10/22			Met_S_As Pb	
2201069-011A	RHV32-6-220111	01/11/22 13:40	Soil	07/10/22			Met_S_As Pb	
2201069-012A	RHV32-18-220111	01/11/22 13:50	Soil	07/10/22			Met_S_As Pb	
2201069-013A	RHV30-6-220111	01/11/22 14:10	Soil	07/10/22			Met_S_As Pb	
2201069-014A	RHV30-18-220111	01/11/22 14:20	Soil	07/10/22			Met_S_As Pb	
2201069-015A	RHV14-6-220111	01/11/22 13:00	Soil	07/10/22			Met_S_As Pb	
2201069-016A	RHV14-18-220111	01/11/22 13:05	Soil	07/10/22			Met_S_As Pb	
2201069-017A	RHV20-6-220111	01/11/22 10:45	Soil	07/10/22			Met_S_As Pb	
2201069-018A	RHV20-18-220111	01/11/22 10:55	Soil	07/10/22			Met_S_As Pb	
2201069-019A	RHV17-6-220111	01/11/22 9:45	Soil	07/10/22			Met_S_As Pb	
2201069-020A	RHV17-18-220111	01/11/22 9:55	Soil	07/10/22			Met_S_As Pb	



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/18/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/11/2022
Time Received: 4:00 pm

Comments:
Work Order # : 2201069

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
---------------------	-------------------------	-----------------------------	---------------	---------------------------	-----------------------	---------------------	------------------------	---------------

Met_S_As Pb



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CHAIN OF CUSTODY

LAB WORK ORDER NO

2201069

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: Jacobs Engineering Env. Special Project #: W8 415300 PO #:
 Address: 155 Grand Ave #800 Project Name: Santa Clara County ADL Investigation
 City: Oakland State: CA Zip Code: 94612 Comments:
 Telephone: 510-457-0027 Cell: SAMPLER: Katherine Anna / John Toume Quote #:
 REPORT TO: Tara ZuroWest BILL TO: Jacobs EMAIL: Tara.ZuroWest@Jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Indoor Air Ambient Air Soil/Gas Vapor Other

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

Initial Vac. ("Hg) Final Vac. ("Hg) Flow Controller # TO 15 TO 15 SIM TO 17 Total Pb

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	Total Pb	REMARKS
001A	R4N26-18-220111	1-11-22 8:55	Soil	1	GL								✓	Hold for TLP after analysis
002A	R4N26-16-220111	1-11-22 8:50	Soil	1	GL								✓	
003A	R4N19-6-220111	1-11-22 9:15	Soil	1	GL								✓	
	R4N19-6-M5-220111	1-11-22 9:20	Soil	1	GL								✓	
	R4N19-6-M5D-220111	1-11-22 9:20	Soil	1	GL								✓	
004A	R4N19-18-220111	1-11-22 9:25	Soil	1	GL								✓	
005A	R4N18-6-220111	1-11-22 10:10	Soil	1	GL								✓	
006A	R4N18-18-220111	1-11-22 10:15	Soil	1	GL								✓	
007A	R4N27-6-220111	1-11-22 13:20	Soil	1	GL								✓	
008A	R4N27-18-220111	1-11-22 13:25	Soil	1	GL								✓	

1	Relinquished By: <u>R</u> Print: <u>John Toume</u> Date: <u>01-11-22</u> Time: <u>1600</u>	Received By: <u>Katme</u> Print: <u>EW 98</u> Date: <u>1-11-22</u> Time: <u>16:00</u>
2	Relinquished By: _____ Print: _____ Date: _____ Time: _____	Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 5 # 12 °C Page ___ of ___ Rev. 1



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CHAIN OF CUSTODY

LAB WORK ORDER NO

2201069

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: <u>Jacobs Engineering</u>	<input type="checkbox"/> Env. <input type="checkbox"/> Special	Project #: <u>W8Y15300</u>	PO #:
Address: <u>155 Grand Ave. #800</u>	Project Name: <u>SCRA ADL Investigation</u>		
City: <u>Oakland</u> State: <u>CA</u> Zip Code: <u>94612</u>	Comments:		
Telephone: <u>510-457-0027</u> Cell:	SAMPLER: <u>Katherine Avina + John Touma</u> Quote #:		
REPORT TO: <u>Tara Zuraweste</u> BILL TO: <u>Jacobs</u>	EMAIL: <u>Tara.Zuraweste@jacobs.com</u>		

TURNAROUND TIME: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 4 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 7 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> Noon - Nxt Day <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 2-8 Hours	SAMPLE TYPE: <input type="checkbox"/> Indoor Air <input type="checkbox"/> Ambient Air <input checked="" type="checkbox"/> Soil/Gas Vapor <input type="checkbox"/> Other	REPORT FORMAT: <input type="checkbox"/> Level II - Std. <input type="checkbox"/> Excel - EDD <input type="checkbox"/> EDF <input checked="" type="checkbox"/> Std.-EDD <input type="checkbox"/> QC Level III <input type="checkbox"/> QC Level IV	ANALYSIS REQUESTED
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LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	TOTAL Pb	REMARKS
<u>009A</u>	<u>RHV31-10-220111</u>	<u>1-11-22 12:30</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	<u>Hold for TCEP after analysis</u>
<u>010A</u>	<u>RHV31-18-220111</u>	<u>1-11-22 14:35</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>011A</u>	<u>RHV32-10-220111</u>	<u>1-11-22 13:40</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>012A</u>	<u>RHV32-18-220111</u>	<u>1-11-22 13:50</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>013A</u>	<u>RHV30-10-220111</u>	<u>1-11-22 14:10</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>014A</u>	<u>RHV30-18-220111</u>	<u>1-11-22 14:20</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>015A</u>	<u>RHV14-10-220111</u>	<u>1-11-22 13:00</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>016A</u>	<u>RHV14-18-220111</u>	<u>1-11-22 13:05</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>017A</u>	<u>RHV20-10-220111</u>	<u>1-11-22 10:45</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	
<u>018A</u>	<u>RHV20-18-220111</u>	<u>1-11-22 10:55</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<input checked="" type="checkbox"/>	

1	Relinquished By: <u>[Signature]</u> Print: <u>John Touma</u>	Date: <u>01-11-22</u>	Time: <u>1600</u>	Received By: <u>[Signature]</u> Print: <u>Katherine Avina</u>	Date: <u>1-11-22</u>	Time: <u>16:00</u>
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment DO Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 5 °C #2 Page ___ of ___ Rev. 1



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO 2201069

Company Name: <u>Jacobs Engineering</u>	<input type="checkbox"/> Env. <input type="checkbox"/> Special	Project #: <u>W8Y15300</u>	PO #:
Address: <u>155 Grand Ave #800</u>	Project Name: <u>SCCRA ADL Investigation</u>		
City: <u>Oakland</u>	State: <u>CA</u>	Zip Code: <u>94612</u>	Comments:
Telephone: <u>510-457-0027</u>	Cell:	SAMPLER: <u>Katherine Avina & John Loume</u>	Quote #:
REPORT TO: <u>Tara Zrowetz</u>	BILL TO: <u>Jacobs</u>	EMAIL: <u>Tara.Zrowetz@jacobs.com</u>	

TURNAROUND TIME: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 4 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 7 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> Noon - Nxt Day <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 2-8 Hours	SAMPLE TYPE: <input type="checkbox"/> Indoor Air <input type="checkbox"/> Ambient Air <input type="checkbox"/> Soil/Gas Vapor <input type="checkbox"/> Other	REPORT FORMAT: <input type="checkbox"/> Level II - Std. <input type="checkbox"/> Excel - EDD <input type="checkbox"/> EDF <input type="checkbox"/> Std.-EDD <input type="checkbox"/> QC Level III <input type="checkbox"/> QC Level IV	ANALYSIS REQUESTED
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LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	Total Pb	REMARKS
<u>09A</u>	<u>RHV17-6-220111</u>	<u>1-11-22</u> <u>9:45</u>	<u>soil</u>	<u>1</u>	<u>gl</u>								<u>1</u>	<u>Hold for TCLP after analysis</u>
<u>020A</u>	<u>RHV17-18-220111</u>	<u>1-11-22</u> <u>9:55</u>	<u>soil</u>	<u>1</u>	<u>gl</u>								<u>1</u>	<u>↓</u>

1	Relinquished By: <u>[Signature]</u>	Print: <u>John Loume</u>	Date: <u>01-11-22</u>	Time: <u>1600</u>	Received By: <u>[Signature]</u>	Print: <u>[Signature]</u>	Date: <u>1-11-22</u>	Time: <u>1600</u>
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 5 °C #2 Page ___ of ___ Rev. 1



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201085

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 24 sample(s) on January 12, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock
QA Officer

January 19, 2022

Date



Date: 1/19/2022

Client: Jacobs Associates

Project: Santa Clara County ADL Investigation

Work Order: 2201085

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/12/22

Date Reported: 01/19/22

E16-36-6-220112

2201085-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	17.5	mg/Kg

E16-36-18-220112

2201085-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	27.3	mg/Kg

E16-33-6-220112

2201085-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.60	mg/Kg

E16-33-18-220112

2201085-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.89	mg/Kg

E16-32-6-220112

2201085-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.05	mg/Kg

E16-32-18-220112

2201085-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.60	mg/Kg

E16-34-6-220112

2201085-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.30	mg/Kg

E16-34-18-220112

2201085-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.60	mg/Kg

E16-35-6-220112

2201085-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.05	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/12/22

Date Reported: 01/19/22

E16-35-18-220112

2201085-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.75	mg/Kg

E16-31-6-220112

2201085-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.50	mg/Kg

E16-31-18-220112

2201085-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.05	mg/Kg

E16-30-6-220112

2201085-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.30	mg/Kg

E16-30-18-220112

2201085-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	4.01	mg/Kg

E16-22-6-220112

2201085-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.70	mg/Kg

E16-22-18-220112

2201085-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	4.68	mg/Kg

E16-24-6-220112

2201085-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.10	mg/Kg

E16-24-18-220112

2201085-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	4.55	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/12/22

Date Reported: 01/19/22

E16-18-6-220112

2201085-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.60	mg/Kg

E16-18-18-220112

2201085-020

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.49	mg/Kg

E16-25-6-220112

2201085-021

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.05	mg/Kg

E16-25-18-220112

2201085-022

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	4.62	mg/Kg

E16-23-6-220112

2201085-023

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.65	mg/Kg

E16-23-18-220112

2201085-024

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.31	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-36-6-220112	Lab Sample ID:	2201085-001A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 8:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138499	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	17.5		mg/Kg	01/19/22	12:04	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-36-18-220112	Lab Sample ID:	2201085-002A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 8:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	27.3		mg/Kg	01/19/22	12:12	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-33-6-220112	Lab Sample ID:	2201085-003A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 9:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138499	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.60		mg/Kg	01/19/22	12:14	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-33-18-220112	Lab Sample ID:	2201085-004A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 9:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.89		mg/Kg	01/19/22	12:16	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-32-6-220112	Lab Sample ID:	2201085-005A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 9:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138499	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.05		mg/Kg	01/19/22	12:17	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-32-18-220112	Lab Sample ID:	2201085-006A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 9:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.60		mg/Kg	01/19/22	12:19	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-34-6-220112	Lab Sample ID:	2201085-007A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 10:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138499	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.30		mg/Kg	01/19/22	12:21	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-34-18-220112	Lab Sample ID:	2201085-008A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 10:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.60		mg/Kg	01/19/22	12:24	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-35-6-220112	Lab Sample ID:	2201085-009A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 11:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.05		mg/Kg	01/19/22	12:25	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-35-18-220112	Lab Sample ID:	2201085-010A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 11:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.75		mg/Kg	01/19/22	12:30	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-31-6-220112	Lab Sample ID:	2201085-011A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 9:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.50		mg/Kg	01/19/22	12:32	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-31-18-220112	Lab Sample ID:	2201085-012A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 10:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.05		mg/Kg	01/19/22	12:34	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-30-6-220112	Lab Sample ID:	2201085-013A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 10:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138499	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.30		mg/Kg	01/19/22	12:35	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-30-18-220112	Lab Sample ID:	2201085-014A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 10:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	4.01		mg/Kg	01/19/22	12:37	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-22-6-220112	Lab Sample ID:	2201085-015A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 12:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.70		mg/Kg	01/19/22	12:39	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-22-18-220112	Lab Sample ID:	2201085-016A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 12:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	4.68		mg/Kg	01/19/22	12:40	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-24-6-220112	Lab Sample ID:	2201085-017A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 13:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138499	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.10		mg/Kg	01/19/22	12:42	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-24-18-220112	Lab Sample ID:	2201085-018A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 13:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	4.55		mg/Kg	01/19/22	12:45	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-18-6-220112	Lab Sample ID:	2201085-019A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 13:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.60		mg/Kg	01/19/22	12:50	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-18-18-220112	Lab Sample ID:	2201085-020A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 14:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22	8:45:00PM
Prep Batch ID: 1138499	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.49		mg/Kg	01/19/22	12:52	ERR	462895



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-25-6-220112	Lab Sample ID:	2201085-021A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 13:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138488	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.05		mg/Kg	01/19/22	13:45	ERR	462891



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-25-18-220112	Lab Sample ID:	2201085-022A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 13:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138488	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	4.62		mg/Kg	01/19/22	13:50	ERR	462891



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-23-6-220112	Lab Sample ID:	2201085-023A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 12:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138488	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.65		mg/Kg	01/19/22	13:52	ERR	462891



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/12/22, 3:20 pm
Date Reported: 01/19/22

Client Sample ID:	E16-23-18-220112	Lab Sample ID:	2201085-024A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/12/22 / 12:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/14/22 8:45:00PM
Prep Batch ID: 1138488	Prep Analyst: ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.31		mg/Kg	01/19/22	13:54	ERR	462891



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201085	Prep Method:	3050B	Prep Date:	01/14/22	Prep Batch:	1138488
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/19/2022	Analytical Batch:	462891
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	ND	50	103	104	0.966	80 - 120	30	

Work Order:	2201085	Prep Method:	3050B	Prep Date:	01/14/22	Prep Batch:	1138499
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/19/2022	Analytical Batch:	462895
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	0.23	50	104	103	0.966	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201085	Prep Method:	3050B	Prep Date:	01/14/22	Prep Batch:	1138499
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/19/2022	Analytical Batch:	462895
Spiked Sample:	2201085-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	17.5	50	92.0	95.0	2.33	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/12/2022 3:20:00PM

Project Name: Santa Clara County ADL Investigation

Received By: Helena Ueng

Work Order No.: 2201085

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Yes Temperature: 4.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/19/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/12/2022
Time Received: 3:20 pm

Comments:

Work Order # : **2201085**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201085-001A	E16-36-6-220112	01/12/22 8:45	Soil	07/11/22			Met_S_As Pb	
Sample Note: 6010-Lead **Use sample 2201085-001A for MS/MSD**								
2201085-002A	E16-36-18-220112	01/12/22 8:55	Soil	07/11/22			Met_S_As Pb	
2201085-003A	E16-33-6-220112	01/12/22 9:05	Soil	07/11/22			Met_S_As Pb	
2201085-004A	E16-33-18-220112	01/12/22 9:10	Soil	07/11/22			Met_S_As Pb	
2201085-005A	E16-32-6-220112	01/12/22 9:30	Soil	07/11/22			Met_S_As Pb	
2201085-006A	E16-32-18-220112	01/12/22 9:40	Soil	07/11/22			Met_S_As Pb	
2201085-007A	E16-34-6-220112	01/12/22 10:45	Soil	07/11/22			Met_S_As Pb	
2201085-008A	E16-34-18-220112	01/12/22 10:50	Soil	07/11/22			Met_S_As Pb	
2201085-009A	E16-35-6-220112	01/12/22 11:00	Soil	07/11/22			Met_S_As Pb	
2201085-010A	E16-35-18-220112	01/12/22 11:10	Soil	07/11/22			Met_S_As Pb	
2201085-011A	E16-31-6-220112	01/12/22 9:55	Soil	07/11/22			Met_S_As Pb	
2201085-012A	E16-31-18-220112	01/12/22 10:00	Soil	07/11/22			Met_S_As Pb	
2201085-013A	E16-30-6-220112	01/12/22 10:15	Soil	07/11/22			Met_S_As Pb	
2201085-014A	E16-30-18-220112	01/12/22 10:25	Soil	07/11/22			Met_S_As Pb	
2201085-015A	E16-22-6-220112	01/12/22 12:50	Soil	07/11/22			Met_S_As Pb	
2201085-016A	E16-22-18-220112	01/12/22 12:55	Soil	07/11/22			Met_S_As Pb	
2201085-017A	E16-24-6-220112	01/12/22 13:25	Soil	07/11/22			Met_S_As Pb	
2201085-018A	E16-24-18-220112	01/12/22 13:30	Soil	07/11/22			Met_S_As Pb	



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/19/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/12/2022
Time Received: 3:20 pm

Comments:

Work Order # : 2201085

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201085-019A	E16-18-6-220112	01/12/22 13:50	Soil	07/11/22			Met_S_As Pb	
2201085-020A	E16-18-18-220112	01/12/22 14:00	Soil	07/11/22			Met_S_As Pb	
2201085-021A	E16-25-6-220112	01/12/22 13:05	Soil	07/11/22			Met_S_As Pb	
2201085-022A	E16-25-18-220112	01/12/22 13:10	Soil	07/11/22			Met_S_As Pb	
2201085-023A	E16-23-6-220112	01/12/22 12:35	Soil	07/11/22			Met_S_As Pb	
2201085-024A	E16-23-18-220112	01/12/22 12:40	Soil	07/11/22			Met_S_As Pb	



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CHAIN OF CUSTODY

LAB WORK ORDER NO
 2201085

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: Jacobs Engineering Env. Special Project #: W0415300 PO #:
 Address: 155 Grand Ave #800 Project Name: Santa Clara County ADL investigation
 City: Oakland State: CA Zip Code: 94612 Comments: See "Remarks" box
 Telephone: 510-457-0027 Cell: SAMPLER: K. Avina / John Imbal Quote #:
 REPORT TO: Tara ZuroWest BILL TO: Jacobs EMAIL: Tara.Zurowest@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2-8 Hours

SAMPLE TYPE: Indoor Air Ambient Air Soil/Gas Vapor Other

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

Initial Vac. ("Hg) Final Vac. ("Hg) Flow Controller # TO 15 TO 15 SIM TO 17 Total Pb

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	Total Pb	REMARKS
<u>001A</u>	<u>E16-30-6-220112</u>	<u>1-12-22 8:45</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	<u>Hold for TLP at analysis</u>
<u>↓</u>	<u>E16-30-6-MSD-220112</u>	<u>1-12-22 8:50</u>	<u>soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>↓</u>	<u>E16-30-6-MS-220112</u>	<u>1-12-22 8:50</u>	<u>soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>002A</u>	<u>E16-30-18-220112</u>	<u>1-12-22 8:55</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>003A</u>	<u>E16-33-6-220112</u>	<u>1-12-22 9:05</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>004A</u>	<u>E16-33-18-220112</u>	<u>1-12-22 9:10</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>005A</u>	<u>E16-32-6-220112</u>	<u>1-12-22 9:30</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>006A</u>	<u>E16-32-18-220112</u>	<u>1-12-22 9:40</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>007A</u>	<u>E16-34-6-220112</u>	<u>1-12-22 10:45</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>008A</u>	<u>E16-34-18-220112</u>	<u>1-12-22 10:50</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	

Relinquished By: <u>1 Katherine Avina</u> Print: <u>Katherine Avina</u> Date: <u>1-12-22</u> Time: <u>3:20</u>	Received By: <u>John Imbal</u> Print: <u>L.D. Imbal</u> Date: <u>1-12-22</u> Time: <u>3:20</u>
Relinquished By: <u>2</u> Print: Date: Time:	Received By: Print: Date: Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/D Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 4 °C #2 Page ___ of ___ Rev. 1



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CHAIN OF CUSTODY

LAB WORK ORDER NO
2201085

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

Company Name: Jacobs Engineering Env. Special Project #: 18415300 PO #:
Address: 155 Grand Ave #800 Project Name: Santa Clara County ADL Investigation
City: Oakland State: CA Zip Code: 94612 Comments: See "remarks" box
Telephone: 510-457-0027 Cell: SAMPLER: Karina John Tombe Quote #:
REPORT TO: Tara Zuroweste BILL TO: Jacobs EMAIL: Tara.Zuroweste@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2-8 Hours

SAMPLE TYPE: Indoor Air Ambient Air Soil/Gas Vapor Other

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller #	TO 15	TO 15 SIM	TO 17	Total Pb	REMARKS
<u>009A</u>	<u>E16-35-6-220112</u>	<u>1-12-22 11:00</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	<u>Hold for TCLP after analysis</u>
<u>010A</u>	<u>E16-35-18-220112</u>	<u>1-12-22 11:10</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>011A</u>	<u>E16-31-6-220112</u>	<u>1-12-22 9:55</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>012A</u>	<u>E16-31-18-220112</u>	<u>1-12-22 10:00</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>013A</u>	<u>E16-30-6-220112</u>	<u>1-12-22 10:15</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>014A</u>	<u>E16-36-18-220112</u>	<u>1-12-22 10:25</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>015A</u>	<u>E16-22-6-220112</u>	<u>1-12-22 12:50</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>016A</u>	<u>E16-22-18-220112</u>	<u>1-12-22 12:55</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>017A</u>	<u>E16-24-6-220112</u>	<u>1-12-22 13:25</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	
<u>018A</u>	<u>E16-24-18-220112</u>	<u>1-12-22 13:30</u>	<u>Soil</u>	<u>1</u>	<u>gl</u>								<u>✓</u>	

1	Relinquished By: <u>Katherine Arina</u> Print: <u>Katherine Arina</u> Date: <u>1-12-22</u> Time: <u>3:20</u>	Received By: <u>[Signature]</u> Print: <u>K-D. Imbal</u> Date: <u>1-12-22</u> Time: <u>3:20</u>
2	Relinquished By: _____ Print: _____ Date: _____ Time: _____	Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/D Sample seals intact? Yes NO N/A
NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.
Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 4 #2 °C Page ___ of ___ Rev. 1



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 2201085

Company Name: Jacobs Engineering Env. Special Project #: W8415300 PO #:
 Address: 155 Grand Ave # 800 Project Name: Santa Clara County ADE Investigation
 City: Oakland State: CA Zip Code: 94612 Comments: "See remarks box"
 Telephone: 510-457-0027 Cell: SAMPLER: KARINA JOHN TOLME Quote #:
 REPORT TO: Tara Zuro West BILL TO: Jacobs EMAIL: Tara.ZuroWest@Jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air
 Waste Water Wipe
 Ground Water Other
 Soil Product / Bulk

REPORT FORMAT: Level II - Std.
 Excel - EDD
 EDF Std.-EDD
 QC Level III
 QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
<u>019A</u>		<u>E16-18-6-220112</u>	<u>1-12-22 13:50</u>	<u>Soil</u>	<u>1</u>	<u>ql</u>	<u>Hold for TCEP after analysis</u>
<u>020A</u>		<u>E16-18-18-220112</u>	<u>1-12-22 14:00</u>	<u>Soil</u>	<u>1</u>	<u>ql</u>	
<u>021A</u>		<u>E16-25-6-220112</u>	<u>1-12-22 13:05</u>	<u>Soil</u>	<u>1</u>	<u>ql</u>	
<u>022A</u>		<u>E16-25-18-220112</u>	<u>1-22-22 13:10</u>	<u>Soil</u>	<u>1</u>	<u>ql</u>	
<u>023A</u>		<u>E16-23-6-220112</u>	<u>1-22-22 12:35</u>	<u>Soil</u>	<u>1</u>	<u>ql</u>	
<u>024A</u>		<u>E16-23-18-220112</u>	<u>1-22-22 12:40</u>	<u>Soil</u>	<u>1</u>	<u>ql</u>	

1 Relinquished By: Katharine Anna Print: Katherine Anna Date: 1-12-22 Time: 3:20 Received By: [Signature] Print: L-D-Imbal Date: 1-12-22 Time: 3:20

2 Relinquished By: _____ Print: _____ Date: _____ Time: _____ Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 4 °C Page ___ of ___ Rev. 4



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201104 Rev: 1

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 20 sample(s) on January 13, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink, appearing to read "Patti L Sandrock", is written over a light blue grid background.

Patti L Sandrock
QA Officer

January 20, 2022

Date



Date: 1/20/2022

Client: Jacobs Associates

Project: Santa Clara County ADL Investigation

Work Order: 2201104

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

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REVISIONS

Report revised to report data to the MDL for the sample that was ND at the PQL.

Rev. 1 (2/8/22)



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/13/22

Date Reported: 01/20/22

E16-29-6-220113

2201104-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.55	mg/Kg

E16-29-18-220113

2201104-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.20	mg/Kg

E16-26-6-220113

2201104-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.40	mg/Kg

E16-26-18-220113

2201104-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.31	mg/Kg

E16-16-6-220113

2201104-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.10	mg/Kg

E16-16-18-220113

2201104-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.60	mg/Kg

E16-21-6-220113

2201104-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.95	mg/Kg

E16-21-18-220113

2201104-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.55	mg/Kg

E16-13-6-220113

2201104-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.05	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/13/22

Date Reported: 01/20/22

E16-13-18-220113

2201104-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.63	mg/Kg

E16-15-6-220113

2201104-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	26.1	mg/Kg

E16-15-18-220113

2201104-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.05	mg/Kg

E16-12-6-220113

2201104-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.05	mg/Kg

E16-12-18-220113

2201104-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.60	mg/Kg

E16-14-6-220113

2201104-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	13.9	mg/Kg

E16-14-18-220113

2201104-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.49	mg/Kg

E16-28-6-220113

2201104-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.90	mg/Kg

E16-28-18-220113

2201104-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.31	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/13/22

Date Reported: 01/20/22

E16-27-6-220113

2201104-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.55	mg/Kg

E16-27-18-220113

2201104-020

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.90	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-29-6-220113	Lab Sample ID:	2201104-001A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 10:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.55		mg/Kg	01/20/22	12:48	ERR	462935

Client Sample ID:	E16-29-18-220113	Lab Sample ID:	2201104-002A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.20		mg/Kg	01/20/22	12:53	ERR	462935

Client Sample ID:	E16-26-6-220113	Lab Sample ID:	2201104-003A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.40		mg/Kg	01/20/22	12:54	ERR	462935



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-26-18-220113	Lab Sample ID:	2201104-004A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.31		mg/Kg	01/20/22	12:56	ERR	462935

Client Sample ID:	E16-16-6-220113	Lab Sample ID:	2201104-005A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 10:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.10		mg/Kg	01/20/22	12:58	ERR	462935

Client Sample ID:	E16-16-18-220113	Lab Sample ID:	2201104-006A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 10:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.60		mg/Kg	01/20/22	13:02	ERR	462935



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-21-6-220113	Lab Sample ID:	2201104-007A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 10:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.95		mg/Kg	01/20/22	13:04	ERR	462935

Client Sample ID:	E16-21-18-220113	Lab Sample ID:	2201104-008A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 10:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.55		mg/Kg	01/20/22	13:06	ERR	462935

Client Sample ID:	E16-13-6-220113	Lab Sample ID:	2201104-009A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 9:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.05		mg/Kg	01/20/22	13:07	ERR	462935



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-13-18-220113	Lab Sample ID:	2201104-010A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 9:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.63		mg/Kg	01/20/22	13:09	ERR	462935

Client Sample ID:	E16-15-6-220113	Lab Sample ID:	2201104-011A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 8:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	26.1		mg/Kg	01/20/22	13:11	ERR	462935

Client Sample ID:	E16-15-18-220113	Lab Sample ID:	2201104-012A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 8:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.05		mg/Kg	01/20/22	13:12	ERR	462935



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-12-6-220113	Lab Sample ID:	2201104-013A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 8:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.05		mg/Kg	01/20/22	13:14	ERR	462935

Client Sample ID:	E16-12-18-220113	Lab Sample ID:	2201104-014A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 8:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.60		mg/Kg	01/20/22	13:16	ERR	462935

Client Sample ID:	E16-14-6-220113	Lab Sample ID:	2201104-015A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 12:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.9		mg/Kg	01/20/22	13:17	ERR	462935



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-14-18-220113	Lab Sample ID:	2201104-016A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 12:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.49	J	mg/Kg	01/20/22	13:22	ERR	462935
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Client Sample ID:	E16-28-6-220113	Lab Sample ID:	2201104-017A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	5.90		mg/Kg	01/20/22	13:24	ERR	462935
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Client Sample ID:	E16-28-18-220113	Lab Sample ID:	2201104-018A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	3.31		mg/Kg	01/20/22	13:26	ERR	462935
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SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/13/22, 3:10 pm
Date Reported: 01/20/22

Client Sample ID:	E16-27-6-220113	Lab Sample ID:	2201104-019A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.55		mg/Kg	01/20/22	13:27	ERR	462935

Client Sample ID:	E16-27-18-220113	Lab Sample ID:	2201104-020A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/13/22 / 11:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/19/22	3:00:00PM
Prep Batch ID: 1138513	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.90		mg/Kg	01/20/22	13:29	ERR	462935



MB Summary Report

Work Order:	2201104	Prep Method:	3050B	Prep Date:	01/19/22	Prep Batch:	1138513
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/20/2022	Analytical Batch:	462935
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead	0.10	3.00	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201104	Prep Method:	3050B	Prep Date:	01/19/22	Prep Batch:	1138513
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/20/2022	Analytical Batch:	462935
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	ND	50	102	102	0.000	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201104	Prep Method:	3050B	Prep Date:	01/19/22	Prep Batch:	1138513
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/20/2022	Analytical Batch:	462935
Spiked Sample:	2201104-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	9.55	50	87.9	87.9	0.000	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/13/2022 3:10:00PM

Project Name: Santa Clara County ADL Investigation

Received By: Lorna Imbat

Work Order No.: 2201104

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Yes Temperature: 5.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/20/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/13/2022
Time Received: 3:10 pm

Comments:

Work Order # : **2201104**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201104-001A	E16-29-6-220113	01/13/22 10:50	Soil	07/12/22			Met_S_As Pb	
Sample Note: 6010-Lead **Use sample 2201104-001A for MS/MSD**								
2201104-002A	E16-29-18-220113	01/13/22 11:05	Soil	07/12/22			Met_S_As Pb	
2201104-003A	E16-26-6-220113	01/13/22 11:10	Soil	07/12/22			Met_S_As Pb	
2201104-004A	E16-26-18-220113	01/13/22 11:15	Soil	07/12/22			Met_S_As Pb	
2201104-005A	E16-16-6-220113	01/13/22 10:00	Soil	07/12/22			Met_S_As Pb	
2201104-006A	E16-16-18-220113	01/13/22 10:10	Soil	07/12/22			Met_S_As Pb	
2201104-007A	E16-21-6-220113	01/13/22 10:20	Soil	07/12/22			Met_S_As Pb	
2201104-008A	E16-21-18-220113	01/13/22 10:30	Soil	07/12/22			Met_S_As Pb	
2201104-009A	E16-13-6-220113	01/13/22 9:10	Soil	07/12/22			Met_S_As Pb	
2201104-010A	E16-13-18-220113	01/13/22 9:15	Soil	07/12/22			Met_S_As Pb	
2201104-011A	E16-15-6-220113	01/13/22 8:15	Soil	07/12/22			Met_S_As Pb	
2201104-012A	E16-15-18-220113	01/13/22 8:20	Soil	07/12/22			Met_S_As Pb	
2201104-013A	E16-12-6-220113	01/13/22 8:40	Soil	07/12/22			Met_S_As Pb	
2201104-014A	E16-12-18-220113	01/13/22 8:45	Soil	07/12/22			Met_S_As Pb	
2201104-015A	E16-14-6-220113	01/13/22 12:30	Soil	07/12/22			Met_S_As Pb	
2201104-016A	E16-14-18-220113	01/13/22 12:35	Soil	07/12/22			Met_S_As Pb	
2201104-017A	E16-28-6-220113	01/13/22 11:30	Soil	07/12/22			Met_S_As Pb	
2201104-018A	E16-28-18-220113	01/13/22 11:35	Soil	07/12/22			Met_S_As Pb	



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/20/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/13/2022
Time Received: 3:10 pm

Comments:

Work Order # : **2201104**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201104-019A	E16-27-6-220113	01/13/22 11:45	Soil	07/12/22			Met_S_As Pb	
2201104-020A	E16-27-18-220113	01/13/22 11:50	Soil	07/12/22			Met_S_As Pb	
2201104-021A	E16-dup3	01/13/22 11:00	Soil	07/12/22			Hold Samples	



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 Milpitas, CA 95035
 Phone: 408.263.5258
 FAX: 408.263.8293
 www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 2701104

Company Name: Jacobs Engineering Env. Special Project #: W8415300 PO #:
 Address: 155 Grand Ave. #800 Project Name: Santa Clara County APE investigation
 City: Oakland State: CA Zip Code: 94612 Comments: "Please see remarks box"
 Telephone: 510-457-0027 Cell: SAMPLER: K. Avinon J. Toume Quote #:
 REPORT TO: Tara Zuroweste BILL TO: Jacobs EMAIL: Tara.Zuroweste@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air Waste Water Wipe Ground Water Other Soil Product / Bulk

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
001A	021A	E16-29-6-220113	1-13-22 10:50	Soil	1	gl	Hold for TLP after analysis
002A	021A	E16-29-6-MS-220113	1-13-22 11:00	Soil	1	gl	
003A	002A	E16-29-18-220113	1-13-22 11:00	Soil	1	gl	
004A	003A	E16-26-6-220113	1-13-22 11:10	Soil	1	gl	
005A	004A	E16-26-18-220113	1-13-22 11:15	Soil	1	gl	
006A	005A	E16-16-6-220113	1-13-22 10:00	Soil	1	gl	
007A	006A	E16-10-18-220113	1-13-22 10:10	Soil	1	gl	
008A	007A	E16-21-6-220113	1-13-22 10:20	Soil	1	gl	
009A	008A	E16-21-18-220113	1-13-22 10:30	Soil	1	gl	

1 Relinquished By: John Toume Print: John Toume Date: 01-13-2022 Time: 1510 Received By: [Signature] Print: L-D. Imbrat Date: 1-13-22 Time: 1510

2 Relinquished By: _____ Print: _____ Date: _____ Time: _____ Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 5 °C #2 Page ___ of ___ Rev. 4



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CHAIN OF CUSTODY

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LAB WORK ORDER NO
 2201104

Company Name: Jacobs Engineering Env. Special Project #: W8415300 PO #:
 Address: 155 Grand Ave. #800 Project Name: Santa Clara County ADL Investigation
 City: Oakland State: CA Zip Code: 94612 Comments: "Please see remarks box"
 Telephone: 510-457-0027 Cell: CA SAMPLER: K. Arora / J. Toulme Quote #:
 REPORT TO: Tara Zuroweste BILL TO: Jacobs EMAIL: tara.zuroweste@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 6 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air Waste Water Wipe Ground Water Other Soil Product / Bulk

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
010A	009A	E16-13-6-220113	1-13-22 9:10	Soil	1	gl	Total Pb Held for TCEP after analysis
011A	010A	E16-13-18-220113	1-13-22 9:15	Soil	1	gl	
012A	011A	E16-15-6-220113	1-13-22 8:15	Soil	1	gl	
013A	012A	E16-15-18-220113	1-13-22 8:20	Soil	1	gl	
014A	013A	E16-12-6-220113	1-13-22 8:40	Soil	1	gl	
015A	014A	E16-12-18-220113	1-13-22 8:45	Soil	1	gl	
016A	015A	E16-14-6-220113	1-13-22 12:30	Soil	1	gl	
017A	016A	E16-14-18-220113	1-13-22 12:35	Soil	1	gl	
018A	017A	E16-28-6-220113	1-13-22 11:30	Soil	1	gl	
019A	018A	E16-28-18-220113	1-13-22 11:35	Soil	1	gl	

1	Relinquished By: <u>[Signature]</u> Print: <u>John Toulme</u> Date: <u>01-13-2022</u> Time: <u>1510</u>	Received By: <u>[Signature]</u> Print: <u>L-D. Imbat</u> Date: <u>1-13-22</u> Time: <u>1570</u>
2	Relinquished By: _____ Print: _____ Date: _____ Time: _____	Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment: D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp: 5 °C #2 Page ___ of ___ Rev. 4



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 2201104

Company Name: Jacobs Engineering Env. Special Project #: W8415300 PO #:
 Address: 155 Grand Ave #800 Project Name: Santa Clara County ADL Investigation
 City: Oakland State: CA Zip Code: 94612 Comments: "Please see remarks box"
 Telephone: 510-457-0027 Cell: SAMPLER: K. Avina / J. Toume Quote #:
 REPORT TO: Tara Zurovsk BILL TO: Jacobs EMAIL: Tara.Zurovsk@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air Waste Water Wipe Ground Water Other Soil Product / Bulk

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
<u>020A</u>	<u>-019A</u>	<u>E16-27-6-220113</u>	<u>1-13-22 11:45</u>	<u>soil</u>	<u>1</u>	<u>gl</u>	<u>Hold for TCEP after analysis</u>
<u>020A</u>	<u>-020A</u>	<u>E16-27-18-220113</u>	<u>1-13-22 11:50</u>	<u>soil</u>	<u>1</u>	<u>gl</u>	

1	Relinquished By: <u>John Toume</u>	Print: <u>John Toume</u>	Date: <u>01-13-2022</u>	Time: <u>1510</u>	Received By: <u>[Signature]</u>	Print: <u>L-D-Imbat</u>	Date: <u>1-13-22</u>	Time: <u>1570</u>
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment: Dp Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp: 5 °C #2 Page ___ of ___ Rev. 4



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201115

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 24 sample(s) on January 14, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink that reads "Kathie Evans". The signature is written in a cursive style and is positioned above a horizontal line.

Kathie Evans
Project Manager

January 24, 2022

Date



Date: 1/24/2022

Client: Jacobs Associates

Project: Santa Clara County ADL Investigation

Work Order: 2201115

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/14/22

Date Reported: 01/24/22

RHV04-6-220114

2201115-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.00	mg/Kg

RHV04-18-220114

2201115-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	14.9	mg/Kg

RHV28-6-220114

2201115-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.10	mg/Kg

RHV28-18-220114

2201115-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.40	mg/Kg

RHV02-6-220114

2201115-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	16.5	mg/Kg

RHV02-18-220114

2201115-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.65	mg/Kg

RHV01-18-220114

2201115-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.20	mg/Kg

RHV01-6-220114

2201115-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.30	mg/Kg

RHV08-6-220114

2201115-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.75	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/14/22

Date Reported: 01/24/22

RHV08-18-220114

2201115-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.40	mg/Kg

RHV06-6-220114

2201115-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.30	mg/Kg

RHV06-18-220114

2201115-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	23.9	mg/Kg

RHV23-6-220114

2201115-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	13.1	mg/Kg

RHV23-18-220114

2201115-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.05	mg/Kg

RHV21-6-220114

2201115-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.10	mg/Kg

RHV21-18-220114

2201115-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.35	mg/Kg

RHV05-6-220114

2201115-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.65	mg/Kg

RHV05-18-220114

2201115-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.30	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/14/22

Date Reported: 01/24/22

RHV29-6-220114

2201115-019

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	9.00	mg/Kg

RHV29-18-220114

2201115-020

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.10	mg/Kg

RHV07-6-220114

2201115-021

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	11.4	mg/Kg

RHV07-18-220114

2201115-022

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.80	mg/Kg

RHV03-6-220114

2201115-023

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	22.2	mg/Kg

RHV03-18-220114

2201115-024

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	42.0	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV04-6-220114	Lab Sample ID:	2201115-001A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 9:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.00		mg/Kg	01/24/22	16:33	ERR	462988



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV04-18-220114	Lab Sample ID:	2201115-002A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 9:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	14.9		mg/Kg	01/22/22	14:03	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV28-6-220114	Lab Sample ID:	2201115-003A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 13:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.10		mg/Kg	01/22/22	14:07	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV28-18-220114	Lab Sample ID:	2201115-004A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 13:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.40		mg/Kg	01/22/22	14:08	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV02-6-220114	Lab Sample ID:	2201115-005A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 15:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.5		mg/Kg	01/22/22	15:38	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV02-18-220114	Lab Sample ID:	2201115-006A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 16:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.65		mg/Kg	01/22/22	15:40	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV01-18-220114	Lab Sample ID:	2201115-007A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 15:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.20		mg/Kg	01/22/22	15:47	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV01-6-220114	Lab Sample ID:	2201115-008A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 15:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.30		mg/Kg	01/22/22	15:49	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV08-6-220114	Lab Sample ID:	2201115-009A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 12:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.75		mg/Kg	01/22/22	15:50	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV08-18-220114	Lab Sample ID:	2201115-010A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 12:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138595	Prep Analyst:	ERAGUDO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.40		mg/Kg	01/22/22	15:52	ERR	462983



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV06-6-220114	Lab Sample ID:	2201115-011A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 12:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.30		mg/Kg	01/22/22	16:46	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV06-18-220114	Lab Sample ID:	2201115-012A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 12:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	23.9		mg/Kg	01/22/22	16:56	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV23-6-220114	Lab Sample ID:	2201115-013A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 10:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.1		mg/Kg	01/22/22	17:00	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV23-18-220114	Lab Sample ID:	2201115-014A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 10:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.05		mg/Kg	01/22/22	17:01	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV21-6-220114	Lab Sample ID:	2201115-015A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 11:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.10		mg/Kg	01/22/22	17:03	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV21-18-220114	Lab Sample ID:	2201115-016A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 11:10		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22 9:50:00PM
Prep Batch ID: 1138565	Prep Analyst: PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.35		mg/Kg	01/22/22	17:05	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV05-6-220114	Lab Sample ID:	2201115-017A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 11:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.65		mg/Kg	01/22/22	17:06	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV05-18-220114	Lab Sample ID:	2201115-018A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 12:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.30		mg/Kg	01/22/22	17:08	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV29-6-220114	Lab Sample ID:	2201115-019A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 10:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.00		mg/Kg	01/22/22	17:10	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV29-18-220114	Lab Sample ID:	2201115-020A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 10:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.10		mg/Kg	01/22/22	17:11	ERR	462981



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV07-6-220114	Lab Sample ID:	2201115-021A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 9:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22 9:50:00PM
Prep Batch ID: 1138565	Prep Analyst: PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	11.4		mg/Kg	01/24/22	16:34	ERR	462988



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV07-18-220114	Lab Sample ID:	2201115-022A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 9:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.80		mg/Kg	01/24/22	16:36	ERR	462988



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV03-6-220114	Lab Sample ID:	2201115-023A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 14:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	22.2		mg/Kg	01/24/22	16:38	ERR	462988



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/14/22, 4:25 pm
Date Reported: 01/24/22

Client Sample ID:	RHV03-18-220114	Lab Sample ID:	2201115-024A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/14/22 / 14:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/20/22	9:50:00PM
Prep Batch ID: 1138565	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	42.0		mg/Kg	01/24/22	16:43	ERR	462988



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201115	Prep Method:	3050B	Prep Date:	01/20/22	Prep Batch:	1138565
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/22/2022	Analytical Batch:	462981
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	ND	50	99.5	98.6	1.01	80 - 120	30	

Work Order:	2201115	Prep Method:	3050B	Prep Date:	01/20/22	Prep Batch:	1138595
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/22/2022	Analytical Batch:	462983
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	1.30	ND	50	84.4	91.6	8.18	80 - 120	30	
Lead	0.10	3.00	ND	50	89.3	97.0	8.15	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201115	Prep Method:	3050B	Prep Date:	01/20/22	Prep Batch:	1138565
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/22/2022	Analytical Batch:	462981
Spiked Sample:	2201115-011A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	5.30	50	90.4	93.4	2.93	67.9 - 118	30	

Work Order:	2201115	Prep Method:	3050B	Prep Date:	01/20/22	Prep Batch:	1138595
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/22/2022	Analytical Batch:	462983
Spiked Sample:	2201115-006A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	5.00	ND	50	109	111	1.82	71.0 - 121	30	
Lead	0.10	5.00	8.65	50	90.7	91.7	0.922	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/14/2022 4:25:00PM

Project Name: Santa Clara County ADL Investigation

Received By: Helena Ueng

Work Order No.: 2201115

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Temperature: 7.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:

Samples transported on ice



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/21/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/14/2022
Time Received: 4:25 pm

Comments:

Work Order # : 2201115

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201115-001A	RHV04-6-220114	01/14/22 9:00	Soil	07/13/22			Met_S_As Pb	
Sample Note: 6010-Lead **Use samples 2201115-006A & -011A for MS/MSDs**								
2201115-002A	RHV04-18-220114	01/14/22 9:05	Soil	07/13/22			Met_S_As Pb	
2201115-003A	RHV28-6-220114	01/14/22 13:35	Soil	07/13/22			Met_S_As Pb	
2201115-004A	RHV28-18-220114	01/14/22 13:40	Soil	07/13/22			Met_S_As Pb	
2201115-005A	RHV02-6-220114	01/14/22 15:05	Soil	07/13/22			Met_S_As Pb	
2201115-006A	RHV02-18-220114	01/14/22 16:10	Soil	07/13/22			Met_S_As Pb	
Sample Note: -006: RUN MS/MSD on this sample								
2201115-007A	RHV01-18-220114	01/14/22 15:20	Soil	07/13/22			Met_S_As Pb	
2201115-008A	RHV01-6-220114	01/14/22 15:15	Soil	07/13/22			Met_S_As Pb	
2201115-009A	RHV08-6-220114	01/14/22 12:40	Soil	07/13/22			Met_S_As Pb	
2201115-010A	RHV08-18-220114	01/14/22 12:45	Soil	07/13/22			Met_S_As Pb	
2201115-011A	RHV06-6-220114	01/14/22 12:10	Soil	07/13/22			Met_S_As Pb	
Sample Note: -011: RUN MS/MSD on this sample								
2201115-012A	RHV06-18-220114	01/14/22 12:15	Soil	07/13/22			Met_S_As Pb	
2201115-013A	RHV23-6-220114	01/14/22 10:45	Soil	07/13/22			Met_S_As Pb	
2201115-014A	RHV23-18-220114	01/14/22 10:50	Soil	07/13/22			Met_S_As Pb	
2201115-015A	RHV21-6-220114	01/14/22 11:05	Soil	07/13/22			Met_S_As Pb	
2201115-016A	RHV21-18-220114	01/14/22 11:10	Soil	07/13/22			Met_S_As Pb	
2201115-017A	RHV05-6-220114	01/14/22 11:55	Soil	07/13/22			Met_S_As Pb	



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/21/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/14/2022
Time Received: 4:25 pm

Comments:

Work Order # : 2201115

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201115-018A	RHV05-18-220114	01/14/22 12:05	Soil	07/13/22			Met_S_As Pb	
2201115-019A	RHV29-6-220114	01/14/22 10:25	Soil	07/13/22			Met_S_As Pb	
2201115-020A	RHV29-18-220114	01/14/22 10:30	Soil	07/13/22			Met_S_As Pb	
2201115-021A	RHV07-6-220114	01/14/22 9:45	Soil	07/13/22			Met_S_As Pb	
2201115-022A	RHV07-18-220114	01/14/22 9:50	Soil	07/13/22			Met_S_As Pb	
2201115-023A	RHV03-6-220114	01/14/22 14:30	Soil	07/13/22			Met_S_As Pb	
2201115-024A	RHV03-18-220114	01/14/22 14:35	Soil	07/13/22			Met_S_As Pb	



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO 220115

Company Name: <u>Jacobs Engineering</u>	<input type="checkbox"/> Env. <input type="checkbox"/> Special	Project #: <u>WBV15300</u>	PO #:
Address: <u>155 Grand Ave #800</u>	Project Name: <u>Santa Clara County ADL Investigation</u>		
City: <u>Oakland</u>	State: <u>CA</u>	Zip Code: <u>94612</u>	Comments: <u>see "remarks" box</u>
Telephone: <u>(510) 457-0027</u>	Cell:	SAMPLER: <u>T. Nagill & J. Toulme</u>	Quote #:
REPORT TO: <u>Tara Zuroweste</u>	BILL TO: <u>Jacobs</u>	EMAIL: <u>Tara.Zuroweste@Jacobs.com</u>	

TURNAROUND TIME:	SAMPLE TYPE:	REPORT FORMAT:
<input type="checkbox"/> 10 Work Days <input type="checkbox"/> 7 Work Days <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 4 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 1 Work Day <input type="checkbox"/> Noon - Nxt Day <input type="checkbox"/> 2 - 8 Hours	<input type="checkbox"/> Storm Water <input type="checkbox"/> Waste Water <input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Air <input type="checkbox"/> Wipe <input type="checkbox"/> Other <input type="checkbox"/> Product / Bulk	<input checked="" type="checkbox"/> Level II - Std. <input type="checkbox"/> Excel - EDD <input type="checkbox"/> EDF <input type="checkbox"/> Std.-EDD <input type="checkbox"/> QC Level III <input type="checkbox"/> QC Level IV

ANALYSIS REQUESTED

Total Pb

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS	
001A		RHV04-6-220114	1/14/22/0900	soil	1	gl	Hold for TCLP after analysis	
002A		RHV04-18-220114	1/14/22/0905	soil	1	gl		
003A		RHV28-6-220114	1/14/22/1335	soil	1	gl		
004A		RHV28-18-220114	1/14/22/1340	soil	1	gl		
005A		RHV02-6-220114	1/14/22/1505	soil	1	gl		
006A		RHV02-18-220114	1/14/22/1610	soil	1	gl		Note: run for MS/MSD
007A		RHV01-18-220114	1/14/22/1520	soil	1	gl		
008A		RHV01-6-220114	1/14/22/1515	soil	1	gl		
009A		RHV08-6-220114	1/14/22/1240	soil	1	gl		
010A		RHV08-18-220114	1/14/22/1245	soil	1	gl		

1	Relinquished By: <u>[Signature]</u>	Print: <u>Tatum Merrill</u>	Date: <u>1/14/22</u>	Time: <u>10:25</u>	Received By: <u>[Signature]</u>	Print: <u>Heleneally</u>	Date: <u>1/14/22</u>	Time: <u>1625</u>
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment DLO Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 7 °C #2 Page ___ of ___ Rev. 4



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 220115

Company Name: Jacobs Engineering Env. Special Project #: WB415300 PO #:
 Address: 155 Grand Ave #800 Project Name: Santa Clara County ADL Investigation
 City: Oakland State: CA Zip Code: 94612 Comments: see "remarks" box
 Telephone: (510) 457-0027 Cell: SAMPLER: T. Magill + J. Toolma Quote #:
 REPORT TO: Tara Zurawerte BILL TO: Jacobs EMAIL: Tara.Zurawerte@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2-8 Hours

SAMPLE TYPE: Storm Water Air
 Waste Water Wipe
 Ground Water Other
 Soil Product / Bulk

REPORT FORMAT: Level II - Std.
 Excel - EDD
 EDF Std.-EDD
 QC Level III
 QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
-011A		RHV06-6-220114	01/14/22/1210	Soil	1	gl	Hold for TCCP after analysis
-012A		RHV06-18-220114	01-14-22/1215	Soil	1	gl	
-013A		RHV23-6-220114	01-14-22/1045	Soil	1	gl	
-014A		RHV23-18-220114	01-14-22/1050	Soil	1	gl	
-015A		RHV21-6-220114	01-14-22/1105	Soil	1	gl	
-016A		RHV21-18-220114	01-14-22/1110	Soil	1	gl	
-017A		RHV05-6-220114	01-14-22/1655	Soil	1	gl	
-018A		RHV05-18-220114	01-14-22/1205	Soil	1	gl	
-019A		RHV29-6-220114	01-14-22/1025	Soil	1	gl	
-020A		RHV29-18-220114	01-14-22/1030	Soil	1	gl	

1	Relinquished By: <u>[Signature]</u> Print: <u>Tatum Magill</u> Date: <u>1/14/22</u> Time: <u>16:25</u>	Received By: <u>[Signature]</u> Print: <u>Heleny</u> Date: <u>1/14/22</u> Time: <u>16:25</u>
2	Relinquished By: _____ Print: _____ Date: _____ Time: _____	Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A
 NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.
 Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 7 °C Page ___ of ___ Rev. 4



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
220115

Company Name: <u>Jacobs Engineering</u>			<input type="checkbox"/> Env.	<input type="checkbox"/> Special	Project #: <u>W8415300</u>	PO #:
Address: <u>155 Grand Ave #800</u>			Project Name: <u>Santa Clara County ADL Investigation</u>			
City: <u>Oakland</u>	State: <u>CA</u>	Zip Code: <u>94612</u>	Comments: <u>see "remarks" box</u>			
Telephone: <u>(510) 457-1027</u>			SAMPLER: <u>T. Magill & J. Foulme</u>		Quote #:	
REPORT TO: <u>Tara Zurnwoste</u>			BILL TO: <u>Jacobs</u>		EMAIL: <u>Tara.Zurnwoste@Jacobs.com</u>	

TURNAROUND TIME:			SAMPLE TYPE:			REPORT FORMAT:		
<input type="checkbox"/> 10 Work Days	<input type="checkbox"/> 4 Work Days	<input type="checkbox"/> 1 Work Day	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Air	<input checked="" type="checkbox"/> Level II - Std.	Total PL		
<input type="checkbox"/> 7 Work Days	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> Noon - Nxt Day	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wipe	<input type="checkbox"/> Excel - EDD			
<input checked="" type="checkbox"/> 5 Work Days	<input type="checkbox"/> 2 Work Days	<input type="checkbox"/> 2 - 8 Hours	<input type="checkbox"/> Ground Water	<input type="checkbox"/> Other	<input type="checkbox"/> EDF <input type="checkbox"/> Std.-EDD			
			<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Product / Bulk	<input type="checkbox"/> QC Level III			
					<input type="checkbox"/> QC Level IV			

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
<u>021A</u>		<u>RHV07-6-220114</u>	<u>1/14/22/945</u>	<u>Soil</u>	<u>1</u>	<u>g/l</u>	<u>Hold for TCLP after analysis</u>
<u>022A</u>		<u>RHV07-18-220114</u>	<u>1/14/22/950</u>	<u>Soil</u>	<u>1</u>	<u>g/l</u>	
<u>023A</u>		<u>RHV03-6-220114</u>	<u>1/14/22/1430</u>	<u>Soil</u>	<u>1</u>	<u>g/l</u>	
<u>024A</u>		<u>RHV03-18-220114</u>	<u>1/14/22/1435</u>	<u>Soil</u>	<u>1</u>	<u>g/l</u>	

1	Relinquished By: <u>[Signature]</u>	Print: <u>Tatum Magill</u>	Date: <u>1/14/22</u>	Time: <u>16:25</u>	Received By: <u>[Signature]</u>	Print: <u>Helenally</u>	Date: <u>1/14/22</u>	Time: <u>1625</u>
2	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment DL Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 7 °C #2 Page ___ of ___ Rev. 4



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201127 Rev: 1

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 18 sample(s) on January 17, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink that reads "Kathie Evans". The signature is written in a cursive style and is positioned above a horizontal line.

Kathie Evans
Project Manager

January 24, 2022

Date



Date: 1/24/2022

Client: Jacobs Associates

Project: Santa Clara County ADL Investigation

Work Order: 2201127

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

REVISIONS

Report revised to report data to the MDL for the samples that were ND at the PQL.

Rev. 1 (2/8/22)



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/17/22

Date Reported: 01/24/22

E1608-6-220113

2201127-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	6.55	mg/Kg

E1608-18-220113

2201127-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.48	mg/Kg

E1603-6-220113

2201127-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	7.60	mg/Kg

E1603-18-220113

2201127-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.32	mg/Kg

E1609-6-220113

2201127-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	14.5	mg/Kg

E1609-18-220113

2201127-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.05	mg/Kg

E1610-6-220113

2201127-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.95	mg/Kg

E1610-18-220113

2201127-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.11	mg/Kg

E1601-6-220113

2201127-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.90	mg/Kg



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/17/22

Date Reported: 01/24/22

E1601-18-220113

2201127-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.13	mg/Kg

E1606-6-220113

2201127-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.20	mg/Kg

E1606-18-220113

2201127-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.23	mg/Kg

E1604-6-220113

2201127-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.75	mg/Kg

E1604-18-220113

2201127-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	1.94	mg/Kg

E1605-6-220113

2201127-015

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	16.2	mg/Kg

E1605-18-220113

2201127-016

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.77	mg/Kg

E1602-6-220113

2201127-017

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	5.20	mg/Kg

E1602-18-220113

2201127-018

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.35	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/17/22, 3:45 pm
Date Reported: 01/24/22

Client Sample ID:	E1608-6-220113	Lab Sample ID:	2201127-001A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 9:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.55		mg/Kg	01/24/22	16:49	ERR	462986

Client Sample ID:	E1608-18-220113	Lab Sample ID:	2201127-002A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 9:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	2.48	J	mg/Kg	01/24/22	16:54	ERR	462986

The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.48	J	mg/Kg	01/24/22	16:54	ERR	462986
------	---------	---	------	-----	------	---	-------	----------	-------	-----	--------

Client Sample ID:	E1603-6-220113	Lab Sample ID:	2201127-003A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 11:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.60		mg/Kg	01/24/22	16:56	ERR	462986



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/17/22, 3:45 pm
Date Reported: 01/24/22

Client Sample ID:	E1603-18-220113	Lab Sample ID:	2201127-004A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 11:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.32		mg/Kg	01/24/22	16:58	ERR	462986

Client Sample ID:	E1609-6-220113	Lab Sample ID:	2201127-005A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 13:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	14.5		mg/Kg	01/24/22	17:03	ERR	462986

Client Sample ID:	E1609-18-220113	Lab Sample ID:	2201127-006A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 14:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.05		mg/Kg	01/24/22	17:04	ERR	462986



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/17/22, 3:45 pm
Date Reported: 01/24/22

Client Sample ID:	E1610-6-220113	Lab Sample ID:	2201127-007A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 9:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.95	J	mg/Kg	01/24/22	17:06	ERR	462986
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Client Sample ID:	E1610-18-220113	Lab Sample ID:	2201127-008A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 9:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.11	J	mg/Kg	01/24/22	17:08	ERR	462986
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Client Sample ID:	E1601-6-220113	Lab Sample ID:	2201127-009A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 11:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	8.90		mg/Kg	01/24/22	17:09	ERR	462986
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SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/17/22, 3:45 pm
Date Reported: 01/24/22

Client Sample ID:	E1601-18-220113	Lab Sample ID:	2201127-010A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 12:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.13	J	mg/Kg	01/24/22	17:11	ERR	462986
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Client Sample ID:	E1606-6-220113	Lab Sample ID:	2201127-011A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 10:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	3.20		mg/Kg	01/24/22	17:14	ERR	462986
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Client Sample ID:	E1606-18-220113	Lab Sample ID:	2201127-012A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 10:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	3.23		mg/Kg	01/24/22	17:16	ERR	462986
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SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/17/22, 3:45 pm
Date Reported: 01/24/22

Client Sample ID:	E1604-6-220113	Lab Sample ID:	2201127-013A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 10:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.75		mg/Kg	01/24/22	17:17	ERR	462986

Client Sample ID:	E1604-18-220113	Lab Sample ID:	2201127-014A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 10:40		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	1.94	J	mg/Kg	01/24/22	17:22	ERR	462986

The results shown below are reported using their MDL.

Client Sample ID:	E1605-6-220113	Lab Sample ID:	2201127-015A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 13:15		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.2		mg/Kg	01/24/22	17:24	ERR	462986



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/17/22, 3:45 pm
Date Reported: 01/24/22

Client Sample ID:	E1605-18-220113	Lab Sample ID:	2201127-016A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 13:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.77	J	mg/Kg	01/24/22	17:26	ERR	462986
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Client Sample ID:	E1602-6-220113	Lab Sample ID:	2201127-017A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 11:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	5.20		mg/Kg	01/24/22	17:27	ERR	462986
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Client Sample ID:	E1602-18-220113	Lab Sample ID:	2201127-018A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/17/22 / 11:05		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138570	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.35	J	mg/Kg	01/24/22	17:29	ERR	462986
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MB Summary Report

Work Order:	2201127	Prep Method:	3050B	Prep Date:	01/21/22	Prep Batch:	1138570
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/24/2022	Analytical Batch:	462986
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead	0.10	3.00	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201127	Prep Method:	3050B	Prep Date:	01/21/22	Prep Batch:	1138570
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/24/2022	Analytical Batch:	462986
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	3.00	ND	50	91.0	89.4	1.77	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201127	Prep Method:	3050B	Prep Date:	01/21/22	Prep Batch:	1138570
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/24/2022	Analytical Batch:	462986
Spiked Sample:	2201127-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	6.55	50	78.8	90.9	12.2	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/17/2022 3:45:00PM

Project Name: Santa Clara County ADL Investigation

Received By: Helena Ueng

Work Order No.: 2201127

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Yes Temperature: 5.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: N/A pH Adjusted by: N/A

Comments:



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/24/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/17/2022
Time Received: 3:45 pm

Comments:

Work Order # : **2201127**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201127-001A	E1608-6-220113	01/17/22 9:30	Soil	07/16/22			Met_S_As Pb	
Sample Note: 6010-Lead **Use sample 2201127-001A for MS/MSD**								
2201127-002A	E1608-18-220113	01/17/22 9:35	Soil	07/16/22			Met_S_As Pb	
2201127-003A	E1603-6-220113	01/17/22 11:25	Soil	07/16/22			Met_S_As Pb	
2201127-004A	E1603-18-220113	01/17/22 11:30	Soil	07/16/22			Met_S_As Pb	
2201127-005A	E1609-6-220113	01/17/22 13:55	Soil	07/16/22			Met_S_As Pb	
2201127-006A	E1609-18-220113	01/17/22 14:00	Soil	07/16/22			Met_S_As Pb	
2201127-007A	E1610-6-220113	01/17/22 9:20	Soil	07/16/22			Met_S_As Pb	
2201127-008A	E1610-18-220113	01/17/22 9:25	Soil	07/16/22			Met_S_As Pb	
2201127-009A	E1601-6-220113	01/17/22 11:55	Soil	07/16/22			Met_S_As Pb	
2201127-010A	E1601-18-220113	01/17/22 12:00	Soil	07/16/22			Met_S_As Pb	
2201127-011A	E1606-6-220113	01/17/22 10:00	Soil	07/16/22			Met_S_As Pb	
2201127-012A	E1606-18-220113	01/17/22 10:05	Soil	07/16/22			Met_S_As Pb	
2201127-013A	E1604-6-220113	01/17/22 10:35	Soil	07/16/22			Met_S_As Pb	
2201127-014A	E1604-18-220113	01/17/22 10:40	Soil	07/16/22			Met_S_As Pb	
2201127-015A	E1605-6-220113	01/17/22 13:15	Soil	07/16/22			Met_S_As Pb	
2201127-016A	E1605-18-220113	01/17/22 13:20	Soil	07/16/22			Met_S_As Pb	
2201127-017A	E1602-6-220113	01/17/22 11:00	Soil	07/16/22			Met_S_As Pb	
2201127-018A	E1602-18-220113	01/17/22 11:05	Soil	07/16/22			Met_S_As Pb	



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 2201127

Company Name: Jacobs Engineering Env. Special Project #: W8Y15300 PO #:
 Address: 155 Grand Ave. #8008 Project Name: Santa Clara ADC Investigation
 City: Oakland State: CA Zip Code: 94612 Comments: See "Remarks" Section
 Telephone: (510) 457-0027 Cell: SAMPLER: T. McGill + J. Toulme Quote #:
 REPORT TO: Tara Zurawente BILL TO: Jacobs EMAIL: Tara.Zurawente@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air Waste Water Wipe Ground Water Other Soil Product / Bulk

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total Ph	REMARKS
001A		E1608-6-220117	01-17-22/0930	soil	1	5l	-	Note: Run for MS/MSD Hold for TCLP after analysis
002A		E1608-18-220117	01-17-22/0935	soil	1	5l	-	
003A		E1603-6-220117	01-17-22/1125	soil	1	5l	-	
004A		E1603-18-220117	01-17-22/1130	soil	1	5l	-	
005A		E1609-6-220117	01-17-22/1355	soil	1	5l	-	
006A		E1609-18-220117	01-17-22/1400	soil	1	5l	-	
007A		E1610-6-220117	01-17-22/0920	soil	1	5l	-	
008A		E1610-18-220117	01-17-22/0925	soil	1	5l	-	
009A		E1601-6-220117	01-17-22/1155	soil	1	5l	-	
010A		E1601-18-220117	01-17-22/1200	soil	1	5l	-	

1 Relinquished By: John Toulme Print: John Toulme Date: 01-17-22 Time: 1545 Received By: Henry Hillelley Print: Henry Hillelley Date: 1/17/22 Time: 1545

2 Relinquished By: _____ Print: _____ Date: _____ Time: _____ Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 5 °C #2 Page ___ of ___ Rev. 4



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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 2201127

Company Name: Jacobs Engineering Env. Special Project #: W8415300 PO #:
 Address: 155 Grand Ave #800 Project Name: Santa Clara ADL Investigation
 City: Oakland State: CA Zip Code: 94612 Comments: See "remarks" section
 Telephone: (510)457-0022 Cell: SAMPLER: T. Magill R.J. Toulme Quote #:
 REPORT TO: Tara Zuroweste BILL TO: Jacobs EMAIL: Tara.Zuroweste@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air Waste Water Wipe Ground Water Other Soil Product / Bulk

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
012A		E1606-6-220117	1/17/22/1000	soil	1	gl	Hold for TCLP after analysis
012A		E1606-18-220117	1/17/22/1005	soil	1	gl	
013A		E1604-6-220117	1/17/22/1035	soil	1	gl	
014A		E1604-18-220117	1/17/22/1040	soil	1	gl	
015A		E1605-6-220117	1/17/22/1315	soil	1	gl	
016A		E1605-18-220117	1/17/22/1320	soil	1	gl	
017A		E1602-6-220117	1/17/22/1100	soil	1	gl	
018A		E1602-18-220117	1/17/22/1105	soil	1	gl	

1 Relinquished By: John Toulme Print: John Toulme Date: 01-17-22 Time: 1545 Received By: [Signature] Print: [Signature] Date: 1/17/22 Time: 1545

2 Relinquished By: _____ Print: _____ Date: _____ Time: _____ Received By: _____ Print: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment: D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp: 5 #2 °C Page ___ of ___ Rev. 4



Jacobs Associates
465 California St, Suite 1000
San Francisco, California 94104
Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201135 Rev: 1

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 8 sample(s) on January 18, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink that reads "Kathie Evans". The signature is written in a cursive style and is positioned above a horizontal line.

Kathie Evans
Project Manager

January 25, 2022

Date



Date: 1/25/2022

Client: Jacobs Associates

Project: Santa Clara County ADL Investigation

Work Order: 2201135

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

REVISIONS

Report revised to report data to the MDL for the samples that were ND at the PQL.

Rev. 1 (2/8/22)



Sample Result Summary

Report prepared for: Tara Zuroweste
Jacobs Associates

Date Received: 01/18/22

Date Reported: 01/25/22

E1620-6-220118

2201135-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.98	mg/Kg

E1620-18-220118

2201135-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.27	mg/Kg

E1611-6-220118

2201135-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	8.60	mg/Kg

E1611-18-220118

2201135-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.45	mg/Kg

E1607-6-220118

2201135-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	1.91	mg/Kg

E1607-18-220118

2201135-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	2.50	mg/Kg

E1617-6-220118

2201135-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.35	mg/Kg

E1617-18-220118

2201135-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead	SW6010B	1	0.12	3.0	3.56	mg/Kg



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/18/22, 12:22 pm
Date Reported: 01/25/22

Client Sample ID:	E1620-6-220118	Lab Sample ID:	2201135-001A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 9:30		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
-------------	-----------------	----	-----	-----	---------	---	-------	----------	------	----	------------------

The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.98	J	mg/Kg	01/24/22	17:42	ERR	462987
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Client Sample ID:	E1620-18-220118	Lab Sample ID:	2201135-002A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 9:35		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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Lead	SW6010B	1	0.12	3.0	3.27		mg/Kg	01/24/22	17:47	ERR	462987
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Client Sample ID:	E1611-6-220118	Lab Sample ID:	2201135-003A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 10:20		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
-------------	-----------------	----	-----	-----	---------	---	-------	----------	------	----	------------------

Lead	SW6010B	1	0.12	3.0	8.60		mg/Kg	01/24/22	17:49	ERR	462987
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SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/18/22, 12:22 pm
Date Reported: 01/25/22

Client Sample ID:	E1611-18-220118	Lab Sample ID:	2201135-004A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 10:25		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.45		mg/Kg	01/24/22	17:51	ERR	462987

Client Sample ID:	E1607-6-220118	Lab Sample ID:	2201135-005A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 10:45		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	1.91	J	mg/Kg	01/24/22	17:52	ERR	462987

The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	1.91	J	mg/Kg	01/24/22	17:52	ERR	462987
------	---------	---	------	-----	------	---	-------	----------	-------	-----	--------

Client Sample ID:	E1607-18-220118	Lab Sample ID:	2201135-006A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 10:50		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	2.50	J	mg/Kg	01/24/22	17:54	ERR	462987

The results shown below are reported using their MDL.

Lead	SW6010B	1	0.12	3.0	2.50	J	mg/Kg	01/24/22	17:54	ERR	462987
------	---------	---	------	-----	------	---	-------	----------	-------	-----	--------



SAMPLE RESULTS

Report prepared for: Tara Zuroweste
Jacobs Associates

Date/Time Received: 01/18/22, 12:22 pm
Date Reported: 01/25/22

Client Sample ID:	E1617-6-220118	Lab Sample ID:	2201135-007A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 9:55		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.35		mg/Kg	01/24/22	17:56	ERR	462987

Client Sample ID:	E1617-18-220118	Lab Sample ID:	2201135-008A
Project Name/Location:	Santa Clara County ADL Investigation	Sample Matrix:	Soil
Project Number:	W8Y15300		
Date/Time Sampled:	01/18/22 / 10:00		
SDG:			

Prep Method: 3050B	Prep Batch Date/Time: 1/21/22	6:30:00PM
Prep Batch ID: 1138571	Prep Analyst:	PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.56		mg/Kg	01/24/22	17:57	ERR	462987



MB Summary Report

Work Order:	2201135	Prep Method:	3050B	Prep Date:	01/21/22	Prep Batch:	1138571
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/24/2022	Analytical Batch:	462987
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Arsenic	0.15	1.30	ND		
Lead	0.10	3.00	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201135	Prep Method:	3050B	Prep Date:	01/21/22	Prep Batch:	1138571
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/24/2022	Analytical Batch:	462987
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	1.30	ND	50	96.7	99.4	2.65	80 - 120	30	
Lead	0.10	3.00	ND	50	99.7	102	2.18	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201135	Prep Method:	3050B	Prep Date:	01/21/22	Prep Batch:	1138571
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	1/24/2022	Analytical Batch:	462987
Spiked Sample:	2201135-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	0.10	5.00	ND	50	92.3	92.9	0.608	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Jacobs Associates

Date and Time Received: 1/18/2022 12:22:00PM

Project Name: Santa Clara County ADL Investigation

Received By: hh

Work Order No.: 2201135

Physically Logged By: Lorna Imbat

Checklist Completed By: Lorna Imbat

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? No Temperature: 12.0 °C
Water-VOA vials have zero headspace? No VOA vials submitted
Water-pH acceptable upon receipt? N/A
pH Checked by: n/a pH Adjusted by: n/a

Comments:



Login Summary Report

Client ID: TL5282 Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Project # : W8Y15300
Report Due Date: 1/25/2022

QC Level: II
TAT Requested: 5+ day:5
Date Received: 1/18/2022
Time Received: 12:22 pm

Comments:

Work Order # : 2201135

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2201135-001A	E1620-6-220118	01/18/22 9:30	Soil	07/17/22			Met_S_As Pb	
2201135-002A	E1620-18-220118	01/18/22 9:35	Soil	07/17/22			Met_S_As Pb	
2201135-003A	E1611-6-220118	01/18/22 10:20	Soil	07/17/22			Met_S_As Pb	
2201135-004A	E1611-18-220118	01/18/22 10:25	Soil	07/17/22			Met_S_As Pb	
2201135-005A	E1607-6-220118	01/18/22 10:45	Soil	07/17/22			Met_S_As Pb	
2201135-006A	E1607-18-220118	01/18/22 10:50	Soil	07/17/22			Met_S_As Pb	
2201135-007A	E1617-6-220118	01/18/22 9:55	Soil	07/17/22			Met_S_As Pb	
2201135-008A	E1617-18-220118	01/18/22 10:00	Soil	07/17/22			Met_S_As Pb	



483 Sinclair Frontage Road
 Milpitas, CA 95035
 Phone: 408.263.5258
 FAX: 408.263.8293
 www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO
 2201135

Company Name: Jacobs Engineering Env. Special Project #: WBV15300 PO #:
 Address: 155 Grand Ave #800 Project Name: Santa Clara County ADL Investigation
 City: Oakland State: CA Zip Code: 94612 Comments:
 Telephone: (510) 457-0027 Cell: SAMPLER: T. Magill & J. Toulme Quote #:
 REPORT TO: Tara Euroweste BILL TO: Jacobs EMAIL: Tara.Euroweste@jacobs.com

TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day
 7 Work Days 3 Work Days Noon - Nxt Day
 5 Work Days 2 Work Days 2 - 8 Hours

SAMPLE TYPE: Storm Water Air Waste Water Wipe Ground Water Other Soil Product / Bulk

REPORT FORMAT: Level II - Std. Excel - EDD EDF Std.-EDD QC Level III QC Level IV

ANALYSIS REQUESTED

LAB ID	CANISTER I.D.	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	REMARKS
-001A	E1620-6-220118	E1620-6-220118	01-18-22/0930	soil	1	SI	Hold for TCLP after analysis
-002A	E1620-18-220118	E1620-18-220118	01-18-22/0935	soil	1	SI	
-003A	E1611-6-220118	E1611-6-220118	01-18-22/1020	soil	1	SI	
-004A	E1611-18-220118	E1611-18-220118	01-18-22/1025	soil	1	SI	
-005A	E1607-6-220118	E1607-6-220118	01-18-22/1045	soil	1	SI	
-006A	E1607-18-220118	E1607-18-220118	01-18-22/1050	soil	1	SI	
-007A	E1617-6-220118	E1617-6-220118	01-18-22/1055	soil	1	SI	
-008A	E1617-18-220118	E1617-18-220118	01-18-22/1000	soil	1	SI	

1 Relinquished By: T. Magill Print: T. Magill Date: 1/18/22 Time: 12:22 Received By: W. S. [Signature] Print: Date: 1/18/22 Time: 12:22

2 Relinquished By: Print: Date: Time: Received By: Print: Date: Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/off Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Labeled By: _____ Date: _____ Temp 12 °C #2 Page ___ of ___ Rev. 4

Appendix D

Data Quality Assessment Reports

- Reid-Hillview Airport
- San Martin Airport

Aerially Deposited Lead Investigation

Reid-Hillview Airport Soil Sampling – January 2022

Data Quality Evaluation Report

Introduction

The objective of this data quality evaluation (DOE) report is to assess the data quality of analytical results for soil samples collected at Reid-Hillview Airport in Santa Clara as part of the Santa Clara Aerially Deposited Lead Investigation. Individual method requirements and laboratory quality control criteria were used in this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DOE report covers 64 normal environmental samples and four matrix spike/matrix spike duplicate (MS/MSD) sets. A list of samples and collection dates is included in Attachment A at the end of this report. Samples were collected between January 10 and January 14, 2022. These sample results were reported as three sample delivery groups listed in Table 1. The analyses were performed by Torrent Laboratory in Milpitas, California. Refer to Appendix C for copies of laboratory reports and chain of custody (CoC) documentation.

2201047
2201069
2201115

One method was used to analyze the environmental samples. Samples were collected and delivered by the field team to the laboratory for analysis. Samples were analyzed for the analyte/method shown in Table 2.

Parameter	Method
Lead	SW6010B

The assessment of data includes a review of: (1) CoC documentation; (2) holding-time compliance; (3) the required laboratory quality control (QC) samples; (4) method blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSDs); and (6) MS/MSDs.

Field samples were also reviewed to ascertain field compliance and data quality issues. This included a review of MS/MSDs.

Data flags are assigned using USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020) as guidance. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes blank sample impacts.

The flags include:

- J = Analyte was present but reported value may not be accurate or precise.
- R = Analyte was rejected.
- U = Analyte was analyzed for but not detected at the specified detection limit.
- UJ = Analyte was not detected above the detection limit objective. However, the reported detection limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Findings

The overall summaries of the data validation findings are contained in the following sections. No data required qualification due to this assessment.

Holding Times

All holding-time criteria were met.

Calibration

Initial and continuing calibration data were not supplied in the data packages and were not part of the routine validation performed. The laboratory reported calibration exceedances in the case narratives, but none that would affect the sample results.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination.

Field Blanks

Field blanks were not collected; dedicated and disposable equipment was used for sample collection.

Field Duplicates

Field duplicates were not collected with this event.

Matrix Spike Samples

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. All acceptance criteria were met.

Laboratory Control Sample

LCS/LCSDs were analyzed as required. All accuracy and precision criteria were met.

Chain of Custody

Each sample was documented in a completed CoC and received at the laboratory in good condition.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected, and that the resulting analytical data can be used to support the decision-making process. The following summary highlights the data validation findings for the above defined events:

1. No data were rejected, and completeness was 100 percent.
2. No data were qualified due to low-level blank contamination.
3. No lead results exceeded the criteria to trigger STLC or TCLP analysis.
4. The precision and accuracy of the data, as measured by laboratory QC indicators, demonstrate that the project data quality objectives were met.

Attachment A - Samples Associated with DOE

Field Sample ID	Sample Date	Sample Type
RHV01-18-220114	01/14/22	REG
RHV01-6-220114	01/14/22	REG
RHV02-18-220114	01/14/22	REG
RHV02-18-220114MS	01/24/22	MS
RHV02-18-220114MSD	01/24/22	MSD
RHV02-6-220114	01/14/22	REG
RHV03-18-220114	01/14/22	REG
RHV03-6-220114	01/14/22	REG
RHV04-18-220114	01/14/22	REG
RHV04-6-220114	01/14/22	REG
RHV05-18-220114	01/14/22	REG
RHV05-6-220114	01/14/22	REG
RHV06-18-220114	01/14/22	REG
RHV06-6-220114	01/14/22	REG
RHV06-6-220114MS	01/22/22	MS
RHV06-6-220114MSD	01/22/22	MSD
RHV07-18-220114	01/14/22	REG
RHV07-6-220114	01/14/22	REG
RHV08-18-220114	01/14/22	REG
RHV08-6-220114	01/14/22	REG
RHV10-18-220110	01/10/22	REG
RHV10-18-220110MS	01/12/22	MS
RHV10-18-220110MSD	01/12/22	MSD
RHV10-6-220110	01/10/22	REG
RHV11-18-220110	01/10/22	REG
RHV11-6-220110	01/10/22	REG
RHV12-18-220110	01/10/22	REG
RHV12-6-220110	01/10/22	REG
RHV13-18-220110	01/10/22	REG
RHV13-6-220110	01/10/22	REG
RHV14-18-220111	01/11/22	REG
RHV14-6-220111	01/11/22	REG
RHV15-18-220110	01/10/22	REG
RHV15-6-220110	01/10/22	REG
RHV16-18-220110	01/10/22	REG
RHV16-6-220110	01/10/22	REG
RHV17-18-220111	01/11/22	REG
RHV17-6-220111	01/11/22	REG
RHV18-18-220111	01/11/22	REG
RHV18-6-220111	01/11/22	REG
RHV19-18-220111	01/11/22	REG

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Field Sample ID	Sample Date	Sample Type
RHV19-6-220111	01/11/22	REG
RHV19-6-220111MS	01/14/22	MS
RHV19-6-220111MSD	01/14/22	MSD
RHV20-18-220111	01/11/22	REG
RHV20-6-220111	01/11/22	REG
RHV21-18-220114	01/14/22	REG
RHV21-6-220114	01/14/22	REG
RHV22-18-220110	01/10/22	REG
RHV22-6-220110	01/10/22	REG
RHV23-18-220114	01/14/22	REG
RHV23-6-220114	01/14/22	REG
RHV24-18-220110	01/10/22	REG
RHV24-6-220110	01/10/22	REG
RHV25-18-220110	01/10/22	REG
RHV25-6-220110	01/10/22	REG
RHV26-18-220111	01/11/22	REG
RHV26-6-220111	01/11/22	REG
RHV27-18-220111	01/11/22	REG
RHV27-6-220111	01/11/22	REG
RHV28-18-220114	01/14/22	REG
RHV28-6-220114	01/14/22	REG
RHV29-18-220114	01/14/22	REG
RHV29-6-220114	01/14/22	REG
RHV30-18-220111	01/11/22	REG
RHV30-6-220111	01/11/22	REG
RHV31-18-220111	01/11/22	REG
RHV31-6-220111	01/11/22	REG
RHV32-18-220111	01/11/22	REG
RHV32-6-220111	01/11/22	REG
RHV9-18-220110	01/10/22	REG
RHV9-6-220110	01/10/22	REG

Notes:

MS = matrix spike

MSD = matrix spike duplicate

REG = regular sample

Aerially Deposited Lead Investigation

San Martin Airport Soil Sampling – January 2022

Data Quality Evaluation Report

Introduction

The objective of this data quality evaluation (DOE) report is to assess the data quality of analytical results for soil samples collected at San Martin Airport in Santa Clara as part of the Santa Clara Aerially Deposited Lead Investigation. Individual method requirements and laboratory quality control criteria were used in this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DOE report covers 70 normal environmental samples and four matrix spike/matrix spike duplicate (MS/MSD) sets. A list of samples and collection dates is included in Attachment A at the end of this report. Samples were collected between January 12 and January 18, 2022. These sample results were reported as four sample delivery groups listed in Table 1. The analyses were performed by Torrent Laboratory in Milpitas, California. Refer to Appendix C for copies of laboratory reports and chain of custody (CoC) documentation.

2201085
2201104
2201127
2201135

One method was used to analyze the environmental samples. Samples were collected and delivered by the field team to the laboratory for analysis. Samples were analyzed for the analyte/method shown in Table 2.

Parameter	Method
Lead	SW6010B

The assessment of data includes a review of: (1) the CoC documentation; (2) holding-time compliance; (3) the required laboratory quality control (QC) samples; (4) method blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSD); and (6) MS/MSDs.

Field samples were also reviewed to ascertain field compliance and data quality issues. This included a review of MS/MSDs.

Data flags are assigned using USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020) as guidance. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes blank sample impacts.

The data flags include:

- J = Analyte was present but reported value may not be accurate or precise.
- R = Analyte was rejected.
- U = Analyte was analyzed for but not detected at the specified detection limit.
- UJ = Analyte was not detected above the detection limit objective. However, the reported detection limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Findings

The overall summaries of the data validation findings are contained in the following sections. No data required qualification due to this assessment.

Holding Times

All holding-time criteria were met.

Calibration

Initial and continuing calibration data were not supplied in the data packages and were not part of the routine validation performed. The laboratory reported calibration exceedances in the case narratives but none that would affect the sample results.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination.

Field Blanks

Field blanks were not collected; dedicated and disposable equipment was used for sample collection.

Field Duplicates

Field duplicates were not collected with this event.

Matrix Spike Samples

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. All acceptance criteria were met.

Laboratory Control Sample

LCS/LCSDs were analyzed as required. All accuracy and precision criteria were met.

Chain of Custody

Each sample was documented in a completed CoC and received at the laboratory in good condition.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process. The following summary highlights the data validation findings for the above defined events:

1. No data were rejected, and completeness was 100 percent.
2. No data were qualified due to low-level blank contamination.
3. No lead results exceeded the criteria to trigger STLC or TCLP analysis.
4. The precision and accuracy of the data, as measured by laboratory QC indicators, demonstrate that the project data quality objectives were met.

Attachment A - Samples Associated with DOE

Field Sample ID	Sample Date	Sample Type
E1601-18-220113	01/17/22	REG
E1601-6-220113	01/17/22	REG
E1602-18-220113	01/17/22	REG
E1602-6-220113	01/17/22	REG
E1603-18-220113	01/17/22	REG
E1603-6-220113	01/17/22	REG
E1604-18-220113	01/17/22	REG
E1604-6-220113	01/17/22	REG
E1605-18-220113	01/17/22	REG
E1605-6-220113	01/17/22	REG
E1606-18-220113	01/17/22	REG
E1606-6-220113	01/17/22	REG
E1607-18-220118	01/18/22	REG
E1607-6-220118	01/18/22	REG
E1608-18-220113	01/17/22	REG
E1608-6-220113	01/17/22	REG
E1608-6-220113MS	01/22/22	MS
E1608-6-220113MSD	01/22/22	MSD
E1609-18-220113	01/17/22	REG
E1609-6-220113	01/17/22	REG
E1610-18-220113	01/17/22	REG
E1610-6-220113	01/17/22	REG
E1611-18-220118	01/18/22	REG
E1611-6-220118	01/18/22	REG
E16-12-18-220113	01/13/22	REG
E16-12-6-220113	01/13/22	REG
E16-13-18-220113	01/13/22	REG
E16-13-6-220113	01/13/22	REG
E16-14-18-220113	01/13/22	REG
E16-14-6-220113	01/13/22	REG
E16-15-18-220113	01/13/22	REG
E16-15-6-220113	01/13/22	REG
E16-16-18-220113	01/13/22	REG
E16-16-6-220113	01/13/22	REG
E1617-18-220118	01/18/22	REG
E1617-6-220118	01/18/22	REG
E16-18-18-220112	01/12/22	REG
E16-18-6-220112	01/12/22	REG
E1620-18-220118	01/18/22	REG
E1620-6-220118	01/18/22	REG
E1620-6-220118MS	01/24/22	MS

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Field Sample ID	Sample Date	Sample Type
E1620-6-220118MSD	01/24/22	MSD
E16-21-18-220113	01/13/22	REG
E16-21-6-220113	01/13/22	REG
E16-22-18-220112	01/12/22	REG
E16-22-6-220112	01/12/22	REG
E16-23-18-220112	01/12/22	REG
E16-23-6-220112	01/12/22	REG
E16-24-18-220112	01/12/22	REG
E16-24-6-220112	01/12/22	REG
E16-25-18-220112	01/12/22	REG
E16-25-6-220112	01/12/22	REG
E16-26-18-220113	01/13/22	REG
E16-26-6-220113	01/13/22	REG
E16-27-18-220113	01/13/22	REG
E16-27-6-220113	01/13/22	REG
E16-28-18-220113	01/13/22	REG
E16-28-6-220113	01/13/22	REG
E16-29-18-220113	01/13/22	REG
E16-29-6-220113	01/13/22	REG
E16-29-6-220113MS	01/19/22	MS
E16-29-6-220113MSD	01/19/22	MSD
E16-30-18-220112	01/12/22	REG
E16-30-6-220112	01/12/22	REG
E16-31-18-220112	01/12/22	REG
E16-31-6-220112	01/12/22	REG
E16-32-18-220112	01/12/22	REG
E16-32-6-220112	01/12/22	REG
E16-33-18-220112	01/12/22	REG
E16-33-6-220112	01/12/22	REG
E16-34-18-220112	01/12/22	REG
E16-34-6-220112	01/12/22	REG
E16-35-18-220112	01/12/22	REG
E16-35-6-220112	01/12/22	REG
E16-36-18-220112	01/12/22	REG
E16-36-6-220112	01/12/22	REG
E16-36-6-220112MS	01/19/22	MS
E16-36-6-220112MSD	01/19/22	MSD

Notes:

MS = matrix spike
MSD = matrix spike duplicate
REG = regular sample